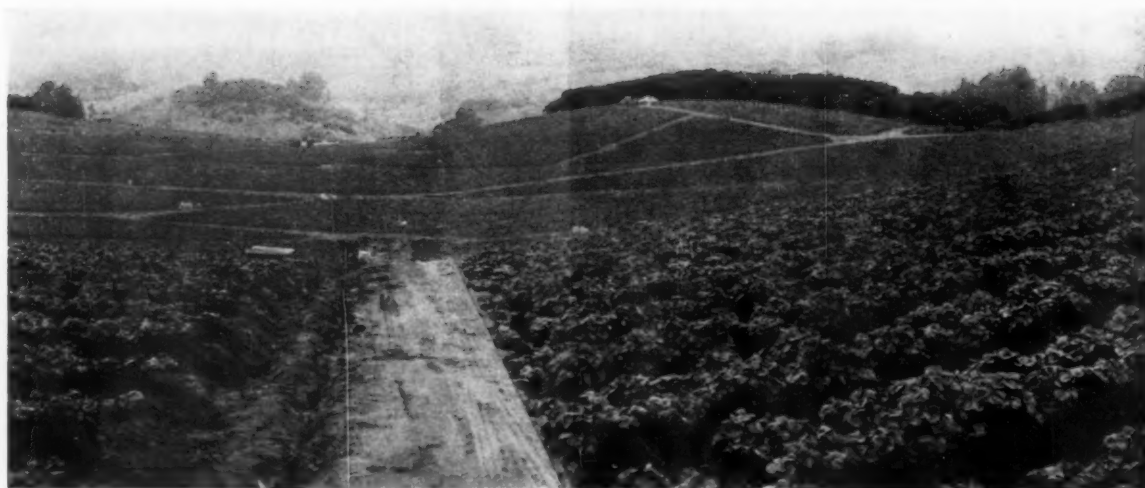


American Fruit Grower

WESTERN EDITION
JULY • 1956





Polyethylene film can help **Control costly mite infestation**

Large sheets of film made from BAKELITE Brand Polyethylene serve as fumigant barriers in the control of mites in the high-producing strawberry district of Watsonville, Calif. Resistant to weather, these polyethylene sheets are spread over the strawberry beds to contain the fumigant and hold it in contact with the plants during the period of fumigation.

Unaffected by most chemicals, flexible, and light in weight, the polyethylene film provides easy handling and does not flatten the plants over which it is spread. The same type of polyethylene film can also be used for a very effective mulch cloth.

Learn more about how film made of BAKELITE Polyethylene can help you on the farm—and in the market place as packaging for your produce. Write Dept. NS-66.

DID YOU KNOW: Pipe made of BAKELITE Polyethylene provides a new, easy, low-cost way to the finest farm water system. Pipe is easy to install with simple tools.



"Visqueen" film used in fumigating strawberries on the Tom Nakase farm was made by **The Vis-king Corp.**, Terre Haute, Ind., and fabricated by **Neil MacLean Co., Inc.**, San Francisco, Calif.



BAKELITE COMPANY, A Division of Union Carbide and Carbon Corporation **UCC** 30 East 42nd Street, New York 17, N. Y.
The term BAKELITE and the Trefoil Symbol are registered trade-marks of UCC

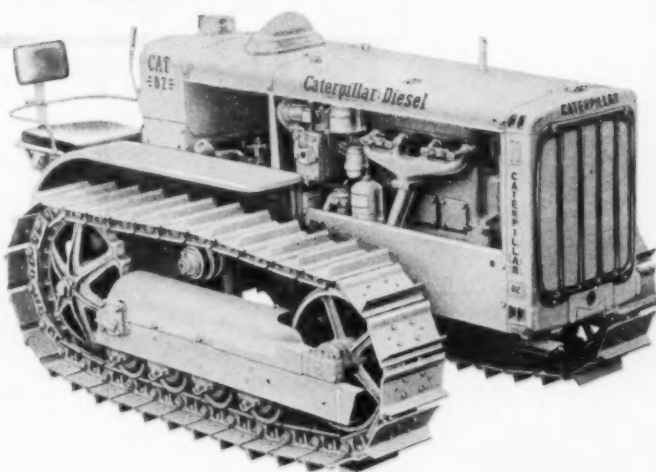
MORE WORK PER DOLLAR!

This CAT D2 Tractor helps you do it!*

Discover how the D2 promotes greater efficiency. Call your Caterpillar Dealer for a D2 demonstration. Check the D2's diesel economy, crawler traction, big working capacity. See how much you can do with heavy-duty implements. For example, watch the D2 handle dirt-moving, clearing, ditching jobs that ordinary "limited-duty" orchard tractors can't.

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CATERPILLAR TRACTOR Co., Peoria, Ill., U.S.A.



38 drawbar HP



GAIN POWER AND TRACTION to work steadily up steep slopes, through light soils and mud. This D2 with rear power take-off provides for prompt, complete spraying of a cherry orchard in Michigan.



HANDLE HEAVY WORK FASTER, CHEAPER: This D2 quickly knocks down irrigation borders with a 9' offset disk. Two D2 Tractors do most of the work in this 400-acre orange grove in Texas.



IMPROVE YOUR ORCHARD . . . make way for improved varieties, clear out dead trees, form land and deep-till it for new plantings . . . these are but a few of the many extra jobs you can do with a D2 and Caterpillar "Swing-Around" Tool Bar.



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CATERPILLAR*

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**NAME THE DATE
YOUR DEALER WILL
DEMONSTRATE**

Entered as second-class matter at Post Office at Willoughby, Ohio, under the Act of March 3, 1879. Additional entry at Mount Morris, Illinois

**Report scab control, superior finish
resulting from
ORTHO**
(captan)



Increased Fancy and No. 1 grade apples with an ORTHO Spray Program

MICHIGAN: Practically 100% scab control and superior finish of fruit resulted from an ORTHO Spray Program featuring ORTHOCIDE (captan) in 1955, reports Louis Klein & Sons, Sparta, Michigan, they sold McIntosh apples for \$2.50 per bushel tree run in spite of low market. The increased percentage of Fancy and No. 1 more than paid for ORTHOCIDE. Pictured: (left to right) ORTHO Fieldman Robert Mesecher, Floyd Klein, Sylvester Klein, Ray Swartz and Lenis Klein.

CONNECTICUT: "I raised the most beautiful peaches I ever saw, thanks to your ORTHO peach program (including ORTHOCIDE and VAPOPHOS)," says William Villa of Villa's Fruit Farm, Glastonbury, Connecticut. "I had fine keeping quality and no brown rot. The simplicity and effectiveness of the ORTHO program makes good peach raising an easy task."

**Here's why ORTHOCIDE (captan)
gives finer fruit finish, bigger yields, better
keeping qualities and outstanding disease control**

1. ORTHOCIDE is backed by ORTHO field research and serviced by trained ORTHO Fieldmen.
2. ORTHOCIDE is a top quality formulation of the chemical captan, made by the original developers and formulators of this fungicide.
3. Has better sticking, wetting and spreading agents and superior carrying agents.
4. ORTHOCIDE is compatible with ORTHO insect and disease control products and is specially designed and tailored to fit ORTHO programs.

For best results ORTHOCIDE should be used in a complete ORTHO spray program as recommended by our research department and ORTHO Fieldmen.



California Spray-Chemical Corp. • Executive Offices: Richmond, Calif.; Washington, D.C.
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San Jose, Whittier, Calif.; Phoenix, Ariz.; Caldwell, Ida.

T.M.'S REG. U. S. PAT. OFF.: ORTHO, ORTHOCIDE, VAPOPHOS
ON ALL CHEMICALS. READ DIRECTIONS AND CAUTIONS BEFORE USE.

American Fruit Grower

REG. U. S. PAT. OFF.

The Only National Fruit Publication

Vol. 76 JULY, 1956 No. 7

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AMERICAN FRUIT GROWER



End of wasted storage space—end of damage. Powrworker Stacker handles 18 crates with the flick of a finger.

HOW TO ELIMINATE . . .

1 *Damaged Fruit*, **2** *Wasted Manpower*, **3** *Lost Time*

Man-handling fruit is old fashioned . . . mighty expensive too. When a man picks up a 50 lb. crate of apples, moves it from receiving to storage, from storage to grading and finally to packaging and shipping, he's doing a lot of individual handling, and usually . . . a lot of bruising.

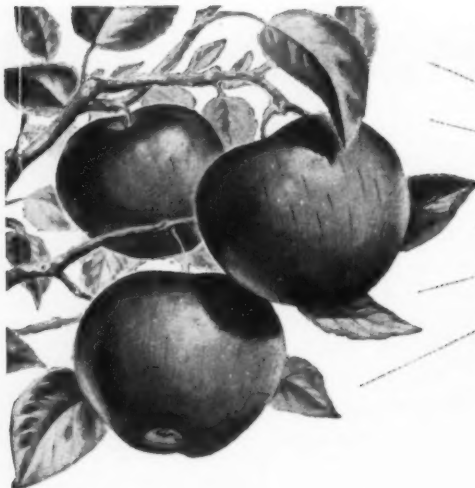
That's where the Clark Powrworker® electric hand trucks come in. The Millburg Growers Exchange of Millburg, Michigan, found they could eliminate costly damage, wasted manpower, and lost time by handling up to 36 crates at a time.

And you don't have to be a big operator to reap the

same benefits. Call your local Clark dealer and go over your operation with him. Let him show you how you can profit with modern handling techniques. *Man-handling* fruit is old fashioned . . . why not go modern with Clark equipment.



POWRWORKER SECTION
Industrial Truck Division
**CLARK EQUIPMENT
COMPANY**
Battle Creek 142, Michigan



DITHANE

puts the "finishing touch" on apples

DITHANE Z-78 (zineb) is officially recommended to apple growers for late cover sprays. The experiment stations of

Delaware Maryland Pennsylvania West Virginia Virginia

include DITHANE Z-78 (zineb) in all their apple spray schedules for summer diseases.

Last year summer diseases of apples were quite severe, and in many cases the fungicide used did not give satisfactory control. This is a matter of record—and one reason for the revised recommendation for 1956.

DITHANE Z-78 controls Brooks spot, apple blotch, sooty blotch, bitter rot, Botryosphaeria rot, and black rot. It also gives effective protection against fly speck and secondary scab. DITHANE Z-78 does all this without harming the fruit finish when used as recommended. And the foliage grows particularly luxuriant and green.

Isn't it good sense to profit by this experience? When the official spray schedule calls for zineb, it will pay you to ask your dealer for DITHANE Z-78—the original zineb formulation, relied on for years in many orchards of the Shenandoah-Cumberland apple areas.

RHOTHANE FOR SECOND BROOD

One or two sprays of RHOTHANE (TDE) can help rid your orchard of the second brood of red-banded leaf roller. Just add it to late cover sprays.

DITHANE and RHOTHANE are trade-marks, Reg. U.S. Pat. Off. and in principal foreign countries.



Chemicals for Agriculture
**ROHM & HAAS
COMPANY**

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

Representatives in principal foreign countries

CALENDAR OF COMING MEETINGS & EXHIBITS

Indiana Horticultural Society summer meetings: Apple Day—July 11, Purdue MFA Farm, Bedford, Ind.;—July 12, Frank Street's Cardinal Farm, Henderson, Ky.—George Adrian, Sec'y, R. R. 4, Box 54-M, Indianapolis.

PEACHTIME U.S.A.

National Peach Week, July 12-21, will kick off the National Peach Council's promotion campaign built around the theme, "It's Peachtime U.S.A." Each peach growing state will add its peach promotional efforts to the campaign which will run through the entire peach harvest season, says Harold J. Hartley, promotions director. Attractive, full-color display banners proclaiming the catchy slogan and individualized by the various states are available at cost through the NPC Promotions Office, 302 W. Walnut St., Carbondale, Ill.

July 19—Massachusetts Fruit Growers Association orchard day and summer meeting, University of Massachusetts.—A. P. French, Sec'y, Amherst.

Aug. 13-15 International Apple Association 62nd annual convention, Dinkler Plaza Hotel, Atlanta, Ga. Fred W. Burrows, Exec. Vice-Pres., 1302 18th St. N.W., Washington 6, D.C.

Aug. 14-15 Ohio Pesticide Institute annual meeting, Ohio Agricultural Experiment Station, Wooster.—J. D. Wilson, Sec'y, Wooster.

Aug. 16—Thirty-fourth annual Orchard Day, Ohio Experiment Station, Wooster.—C. W. Ellenwood, Sec'y, Wooster.

Aug. 16-25 Annual Pennsylvania Peach Week. Peach queen will be selected Aug. 18 at York.

Sept. 23-26 Produce Packaging Association, Inc., Conference and Exposition, Hotel Fontainebleau, Miami Beach, Fla.—Association headquarters: 500 Fifth Ave., New York 36, N.Y.

Sept. 27-29 Florida Fruit and Vegetable Association annual convention, Hotel Fontainebleau, Miami Beach.—Assn. Headquarters: 1401 E. Colonial Dr., Orlando.

Oct. 8-10 Texas Citrus and Vegetable Growers and Shippers 14th annual convention, Plaza Hotel, San Antonio.—E. Anson, Exec. Mgr., 306 E. Jackson, Harlingen.

Oct. 25-Nov. 3 National Apple Week. Norbert Eschmeyer, Sec'y, 1302 18th St. N.W., Washington 6, D.C.

Nov. 1-2 Western Growers Association annual convention, Sheraton-Palace Hotel, San Francisco, Calif.—Headquarters, 606 S. Hill St., Los Angeles 14.

Nov. 26-28 Illinois State Horticultural Society and Illinois Fruit Council annual meeting, Abraham Lincoln Hotel, Springfield.—Harold J. Hartley, Sec'y, Carbondale.

Dec. 14-15 Western Colorado Horticultural Society annual meeting, Mesa College, Grand Junction.—Raleigh B. Flanders, Sec'y, Box 478, Grand Junction.

Jan. 14-16, 1957—Virginia State Horticultural Society 61st annual meeting.—John Watson, Sec'y, P. O. Box 718, Staunton.

New York State Horticultural Society winter meetings: Jan. 23-25 Rochester; Jan. 30-Feb. 1 Kingston.—Daniel M. Dalrymple, Sec'y, Lockport.

Jan. 29-31—United Fresh Fruit & Vegetable Association, Benjamin Franklin Hotel, Philadelphia.—Association headquarters: 777 14th St., N.W., Washington, D.C.

Feb. 6-8—Ohio State Horticultural Society annual meeting, Netherland-Plaza Hotel, Cincinnati.—C. W. Ellenwood, Sec'y, Wooster.

CHERRY PICKER

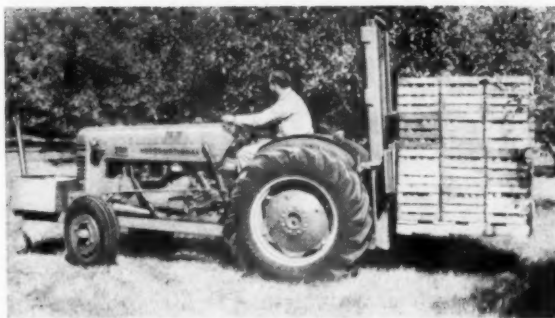
MONKEYS make good cherry pickers, fruit grower Douglas Wightman, of Ashford, England, has discovered. When he trained a pet monkey to pick cherries, it became faster and better than the human crew. At which point a union leader threatened a strike, and the monkey was fired!—F. C. Coulter.

AMERICAN FRUIT GROWER



Real logging power! Here's the International 300 Utility pulling a 6 $\frac{3}{4}$ -foot McCormick off-set disk harrow in 3rd gear.

PULLS MORE... DRIVES EASIER! ...the new INTERNATIONAL® 300 Utility Tractor!



Utility is the name for it! The fork lift shown above is just one of many time and labor savers you can use with the versatile International 300 Utility... including dozer, hydraulic loader, scraper or leveler, tree tiller, and many others.

Your IH Dealer will demonstrate!... show you why orchardists from coast to coast are acclaiming the new International 300 Utility. Ask him about the liberal IH Income Purchase Plan.

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International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors... Motor Trucks... Crawler and Utility Tractors and Power Units—General Office, Chicago 1, Illinois

Test drive the new International 300 Utility Tractor... see how up to 1,000 pounds greater *built-in* weight provides unmatched traction and stability. Equally important, figure what this greater weight means in strength and stamina to cut downtime and keep your orchard work on schedule!

See how Torque Amplifier lets you increase pull-power in any gear without stopping or shifting. In tough spots, and for turning, just pull the TA lever to reduce speed one-third and increase pull-power up to 45 per cent *on-the-go*. To resume full gear speed, again *on-the-go*, just push the TA control.

With TA, you get 10 speeds forward, from 1.8 to 16.7 mph... change tractor speed *on-the-go* while keeping the independent pto speed constant! And at any speed, on any job, power steering lets you drive the International 300 Utility with unmatched ease.



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FREE
catalog**

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Dept. AFG-7, P. O. Box 7333,
Chicago 80, Ill.

Please send me your big, illustrated catalog with full information about the International 300 Utility tractor.

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YOU can cut your truck tire costs to the bone with Firestone Factory-Method retreading. You save up to 70% of the new tire cost and you get guaranteed new tire performance.

Firestone Factory-Method Retreading gives you exact dimension and contour for perfect mating and more miles per retread . . . more retreads per tire. You get the same tread design, the same tread depth, the same tread width and the same top-quality materials as used in new Firestone Tires. You

get all these new tire advantages plus a *New Tire Guarantee*.

Call your nearest Firestone Dealer or Store for the low price on Firestone Factory-Method Retreads for your tire size.

Your Firestone Dealer or Store is equipped to handle all your truck tire service needs including tubeless truck tires. They have experienced service men whose business is tires—tire experts who know how to mount tires correctly, make permanent precision repairs when necessary to help you get extra service out of your truck tires.

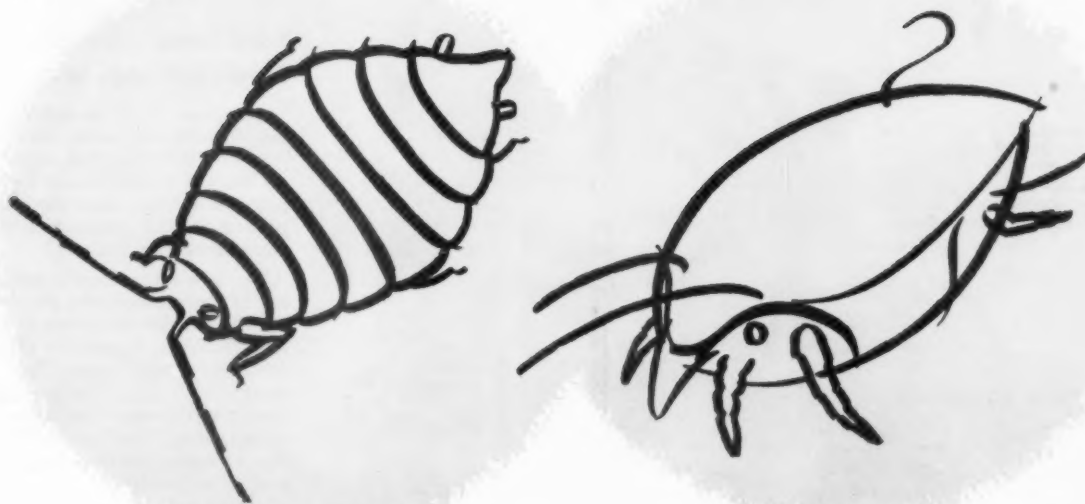
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Firestone

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MALATHION



KILLS Aphids and Mites

... plus scores of other pests attacking 45 different crops! And it can be used through the season and close to harvest (as close as 72 hours on many crops) without fear of excessive residues. In addition to this broad range of effectiveness, malathion also offers a high degree of safety for the operator. The USDA calls it "one of the safest insecticides to handle." Malathion

is compatible with most other spray materials.

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Malathion insecticides are available from well-known manufacturers, under their own trade names, as wettable powder, emulsifiable liquid, and dust.

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PRODUCERS AND DEVELOPERS OF MALATHION AND PARATHION TECHNICAL

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Ford costs start low— Ford costs stay low...

Compare Ford, model for model, with any other truck line and you'll find that, based on factory-suggested list prices, Ford has more models priced under competition than any other line.

But low initial cost is only one of the reasons why Fords cost less. Take resale value—it stays high, thanks to the demand for used Fords. Take operating costs—no other trucks with comparable horsepower beat Ford's modern Short Stroke engines for gas and oil economy.

Ford Trucks cost less to maintain because they last longer. This is a *fact* certified by life insurance experts.

When you take *everything* into consideration, you'll agree Ford Trucks cost less! Before you buy any truck, see your Ford Dealer.

More loadspace than any other $\frac{1}{2}$ -ton Pickup—up to 19 cu. ft. more! New Ford F-100, GVW 5,000 lbs., now offers full 8-ft. box. 6 $\frac{1}{2}$ -ft. box is standard.

FORD TRUCKS LAST LONGER

Using latest license registration data on 10,068,000 trucks, life insurance experts prove Ford Trucks last longer.



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The RIGHT product for YOUR particular problem!

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15% and 25% Parathion Wettable Powders
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 50% Ovex Spray Powder
 Aramite EM-2 Emulsifiable Concentrate
 15% Aramite Wettable Powder
 50% Malathion Emulsifiable Concentrate
 25% Malathion Spray Powder
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For other major pests:

Genitox* S-50 (50% DDT Wettable Powder)
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 Methoxychlor Spray Powder or Emulsifiable Concentrate

For more "money fruit" at harvest:

Stafast* Hormone Spray Powder
 Sta-Set† Hormone Spray Liquid

See your Orchard* Brand dealer today.



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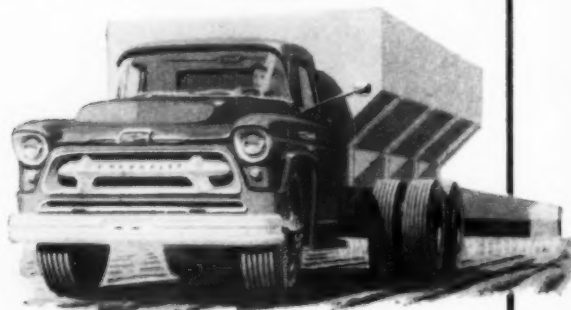
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They don't come any tougher than this Chevy pickup—the way it can take it keeps down upkeep costs!



Here's the baby for rugged heavy-duty work—rated up to 32,000 lbs. G.V.W.; 50,000 lbs. G.C.W.!

New middleweights are rated up to 19,500 lbs. G.V.W.! Notice the modern panoramic windshield and concealed Safety Steps!



*For modern farming
use today's most modern trucks!*

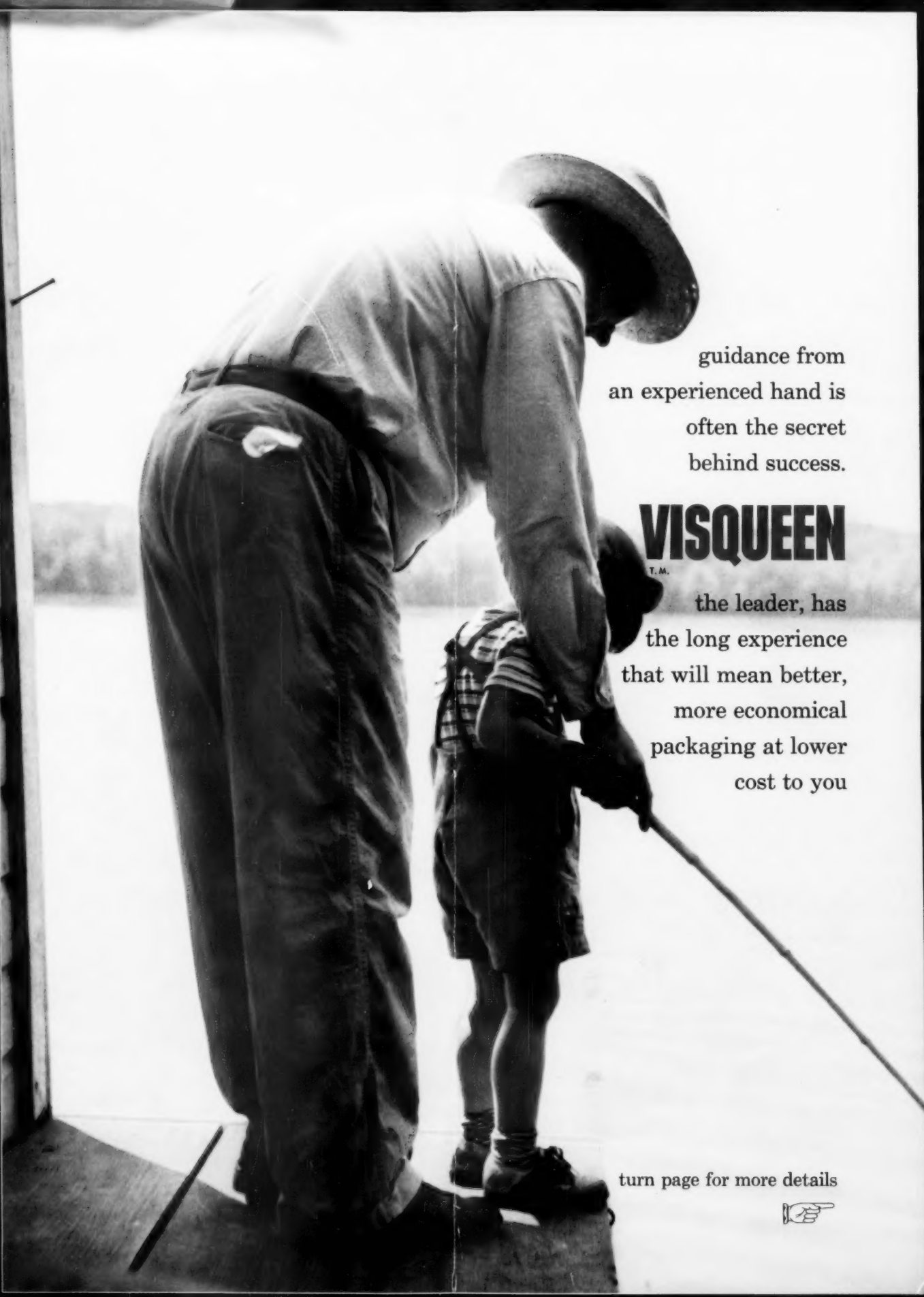
New Chevrolet trucks bring you far-ahead features that'll save hours, dollars and driving effort on your farm hauling jobs!

A glance tells you they're most modern in styling, which is a sure indication they're most modern all the way through! Start with power: you can get a short-stroke V8 in any model you choose. V8's are standard in L.C.F.'s and heavyweights, optional at extra cost in other models. And with Hydra-Matic and new Powermatic (both extra-cost options) there's an automatic transmission for every series. Tubeless tires are standard on all models—even the giant Triple-Torque tandems! See your Chevrolet dealer before you buy. . . . Chevrolet Division of General Motors, Detroit 2, Mich.

CHEVROLET TASK·FORCE TRUCKS

Anything less is an old-fashioned truck!

CHEVROLET



guidance from
an experienced hand is
often the secret
behind success.

VISQUEEN
T.M.

the leader, has
the long experience
that will mean better,
more economical
packaging at lower
cost to you

turn page for more details





It's not just the "price" of the bag:

Overall packaging cost should be considered when you choose a bag. Such factors as labor cost, down-time, display value and product identification are more important than basic cost of the film. Get satisfaction in all these areas. Specify VISQUEEN film.



exclusive advantages
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LARGEST SELECTION of specially developed, superior quality polyethylene films.

THREE LARGE PLANTS producing only polyethylene film to serve you better.

Important! VISQUEEN film is all polyethylene, but not all polyethylene is VISQUEEN.
Only VISQUEEN has the benefit of research and resources of The VISKING Corporation.



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Plastics Division, Terre Haute, Ind.

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American Fruit Grower

• Fruit for Health •



Transparent limb at harvest on July 19 thinned the way Cole likes the job done. This variety needs heavy thinning. He begins with an AmidThin spray applied according to Cornell University recommendations. This takes off about "half enough," he says. As soon as the apples are big enough, he hand thins, spacing the fruit 12 inches apart.

HOW ALBERT COLE EXTENDS HIS APPLE SEASON

Hudson Valley grower finds early Transparents a profitable way to use his pickers to advantage

By ELDON S. BANTA

SUMMER apples are not a big crop in the Hudson Valley, but they can be a profitable way to start the season. That's what Albert B. Cole figured when he purchased an orchard three years ago with a sizable planting of 18-year-old Transparents.

Harvest began July 18 last year, extends over two or three weeks. Transparents bruise easily, so must be handled extra carefully. Buckets are used instead of bags to protect the fruit.



Cole (at left) keeps close watch on the grading and packing. The apples are brushed, sorted into two grades, and packed by hand into boxes. Over 75% of Cole's Transparent crop grades 2½ inches and up, with more than half reaching the 2¾ inch size. This is where extra fertilizer and early, heavy thinning pay off.

Cole, a veteran fruit grower of Red Hook, N.Y., wanted early apples so he could utilize his southern pickers for a longer time.



John Bean Speedsprayer pulled by new Ferguson diesel tractor helps produce the fine finish for which Cole's Transparent apples are famous.



Picked apples are laid carefully into boxes and gently hauled on trailer to packing house.

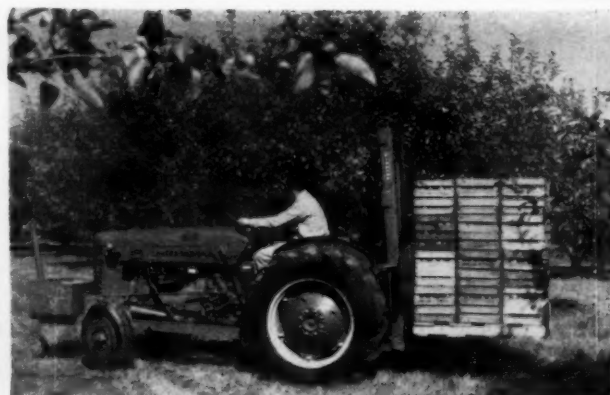
nitrate per tree during the last two years.

For the past two years his crops of Transparents have brought an average of \$4 a bushel on the New York and Boston markets. Trees have yielded from 8 to 20 boxes each of large, smooth apples.

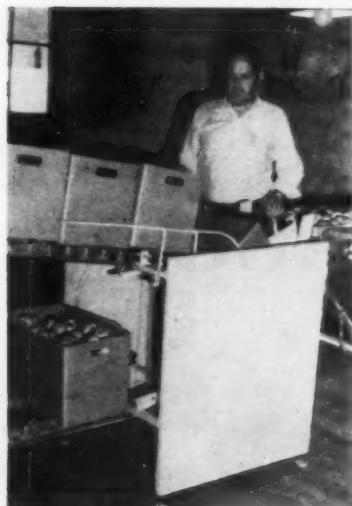
So far Cole has been marketing around 2000 boxes a year, but expects to increase this somewhat in the next few years as trees reach their peak of production. THE END.



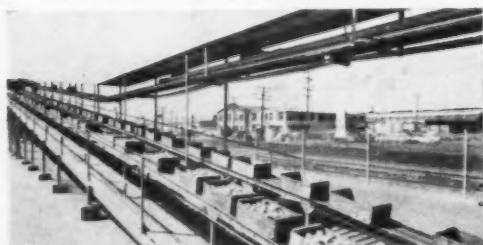
Loading boxes onto truck becomes a quick and easy one-man job with Edwards Trans Fork-Lift. Mounts at front or rear of tractor, holds 2000 pounds. Distributed by Michigan Orchard Supply Co., South Haven, Mich.



This International 300 Utility tractor, equipped with fork-lift in rear, is ideal for carrying fruit from orchard to packing shed. Pallet holds 24 crates. Tractor is equipped with Torque amplifier which enables driver to change speed without slowing down to shift. Ten forward speeds range from 1.5 to 16.7 mph. Made by International Harvester Co., Chicago 1, Ill.



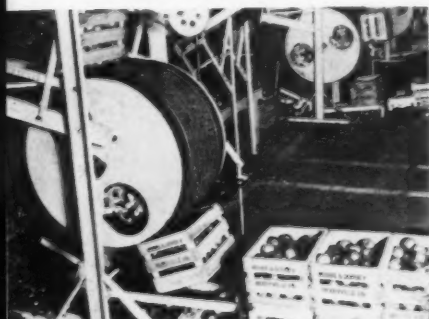
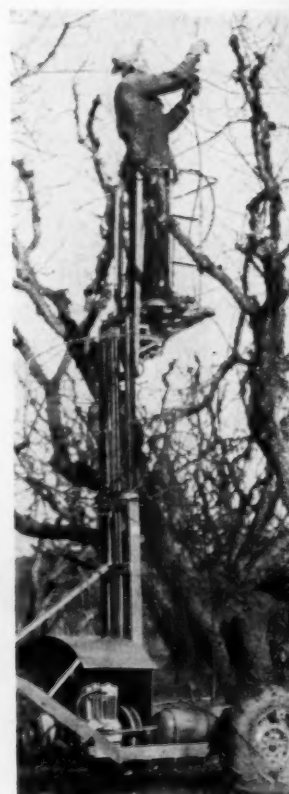
John Lamb, supervisor of Cascade plant of Hood River Apple Growers Association, watches the Cradl-Matic gently fill apple boxes. Made by Fruit Industries Research Foundation, Yakima, Wash.



Belt conveyors in use at Schuckl Canning Co., Sunnyvale, Calif., are made by Standard Conveyor Co., North St. Paul 7, Minn.



Trump Giraffe carries grower into heart of tree for easy pruning, picking, or thinning. Foot-operated, it leaves hands free for job. Made by Trump Sales, Ltd., Oliver, B. C.



Three Auto Dumps with capacity of 400 boxes per hour each are used at Moore & Dorsey packing house, Berryville, Va. Made by The Trescott Co., Inc., Fairport, N. Y.



Unloading peach lugs mechanically without pallets in Virginia. Lugs are placed on plywood "shelves" on floor of truck at packing shed. Winching device pulls shelves out so arm of fork-lift can grasp boxes.

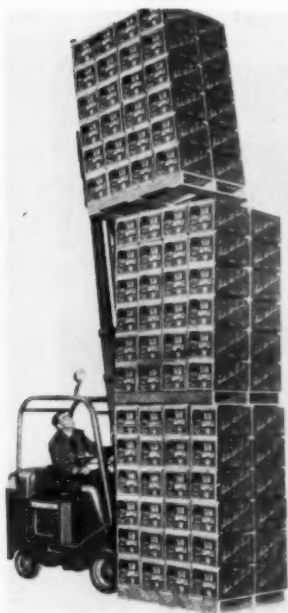


Right — Bruise-Less Crate Turner made by Hill Top Orchards and Nurseries, of Hartford, Michigan.

AUTOMATION . . .

Comes

New laborsaving equipment
takes the backaches out of fruit growing



New Auto-Tote attachment for Sherman Fork-Lifts consist of two arms which latch automatically to metal hoppers with 16 field box-capacity. Ideal for use in orange groves, pickers dump bags into hoppers which are hauled by fork-lift to roadside where they are dumped hydraulically into trucks. Sherman Products, Royal Oak, Mich.

Left—Towmotor fork-lifts used by Stephen Scurich Orchard, Watsonville, Calif., handle a ton of fruit for 16 cents. Former hand method cost \$2.75 a ton. Made by Towmotor Corp., 1226 E. 152 St., Cleveland 10, Ohio.



Hyster 4000-pound capacity lift truck with side-shifting Load-Grab for precision placement is used by Hood River Apple Growers Assn. Hyster Co., 2902 N.E. Clackamas St., Portland 8, Ore.

to Fruit Handling



Left—Pallet crates are quickly loaded on truck by tractor with hydraulic lift.



Baskets are topped and stenciled as they pass by on a gravity roller conveyor. Metzger Conveyor Co., Grand Rapids 4, Mich.



Clark fork-lift places pallet load of apples in storage at Pomona Fruit Farms, Buffalo, N.Y. Clark Equipment Co., Battle Creek, Michigan.

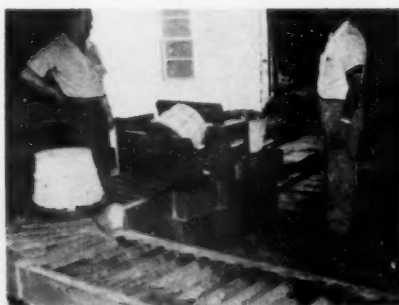


Bulk boxes can be moved out of orchard by forks attached to three-point hydraulic hitch. One man can move 1000 bushels a day with this \$50 attachment.

Right—William Brown, Bethesda, Ohio, uses Mathews roller conveyor in handling apples. Mathews Conveyor Co., Ellwood City, Pa.



Left — Blackwelder Steel Squirrel is self-propelled elevating tower for pruning, picking, thinning, wiring. Blackwelder Mfg. Co., Rio Vista, Cal.



Kellam automatic basket turner is self-adjusting to handle 1, 3/4, and 1/2-bushel baskets in any order. Precision rollers deliver 20 perfect packages per minute, prevent jamming. Kellam Co., Biscoe, N.C.



Trailer-mounted Wish Bucket is orchard platform powered by hydraulic system of any tractor. Made by Friday Tractor Co., Hartford, Mich.



Measures Up to Your Needs

The new, low-profile Case "300" Tractor is short, narrow and easy to maneuver, yet has power for tough jobs like disking, pulling heavy sprayers, loading and hauling fruit. Its low center of gravity hangs safely on hillsides . . . low platform and push-back seat let you sit or stand comfortably. Turning is a breeze with disk brakes, swinging draw bar and new cam-and-lever steering.

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Brumbaugh's small blackboard sign along the road tells what fruits are available at his stand.

New Jersey Grower Builds Roadside Sales with

EARLY FRUITS

OUR small roadside stand is not located on a main highway, but word - of - mouth advertising has brought more customers than we can supply. Two main reasons account for this: 1) We have early fruits which are not readily found elsewhere at the time, and 2) we insist on giving our customers high quality and good measure.

Because of our planting of a wide selection of early varieties, we compete very little with big growers, though we sell fruits (and some vegetables) from our roadside stand from May to September.

For example, cherries come on the market in our area late in June; we sell Seneca cherries in May. In general, we are a week or so ahead of the market in strawberries, raspberries, blueberries, and grapes. Our apples and pears include many old-time varieties that are hard to find elsewhere. None of these fruits has been planted in such quantity as to require outside labor.



Brumbaugh's old-fashioned outside cold cellar serves as fruit storage place winter and summer.

AMERICAN FRUIT GROWER

To have fruit available throughout the season we planted a large number of kinds and varieties on our 4-acre farm. Bearing varieties include:

Apples: Red Astrachan, Early Harvest, Starr, Milton, Summer Rambo, Smokehouse, McIntosh, Northern Spy, Winter Rambo, Jonathan, Winesap, Rhode Island Greening.

Pears: Clapp Favorite, Bartlett, Bosc, Seckel, Tyson, Sheldon, Gor-



Pears are a specialty on the Brumbaugh 4-acre farm. Nine popular varieties are grown.

ham, Anjou, Flemish Beauty.

Cherries: Seneca, Black Tartarian, Schmidt, Early Richmond.

Plums: Burbank, Abundance.

Strawberries: Sparkle, Midland.

Red raspberries: Sunrise, September.

Black raspberries: Logan.

Blueberries: Cabot, Concord, Rancocas, Jersey.

Grapes: Concord (blue), Niagara (white), Brighton and Caco (red).

Fruits are stored in an outdoor cold cellar, and a blackboard sign and small display of fruit tell passers-by what we have available.—*Roscoe Brumbaugh, High Bridge, N.J.*

1956 APPLE CROP ESTIMATE

A total national apple crop of 85 million bushels, the smallest since 1945, was estimated by delegates from apple-producing states at the National Apple Institute's annual meeting in Atlantic City June 12.

Frosts on May 17 and May 25 hurt the eastern crop, while the severe winter in the Northwest reduced the crop to one of the smallest in many years.

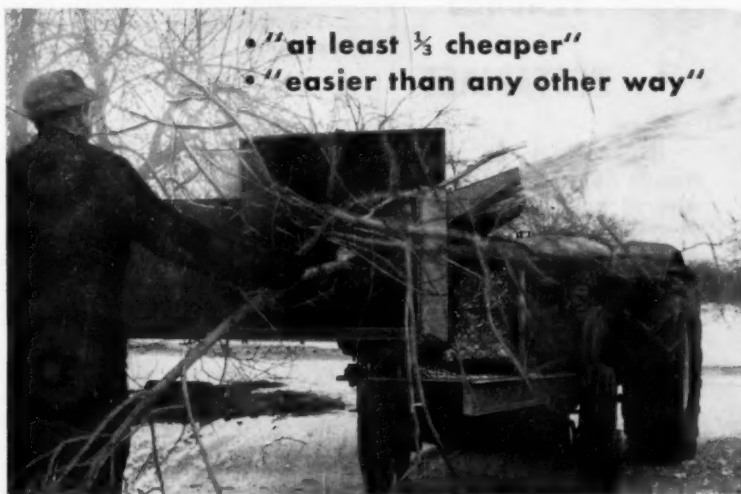
Only one state estimated a substantially larger than normal crop, and this was Michigan, with 9,270,000 bushels.

Two cautions were expressed regarding possible developments in apple prices this fall and winter with the East so late and the West normal. There may be an overlapping of harvest dates with larger than normal supplies going to market in an abnormally short period.

Also, publicity to the trade and consumers emphasizing a short crop may react to the disadvantage of producers. Past experience has shown that if the consumer feels there is a shortage, she may not buy as she would if she feels fruit is in normal supply.

FITCHBURG Farm CHIPPERS

GET RID OF ORCHARD PRUNINGS...



- "at least $\frac{1}{3}$ cheaper"
- "easier than any other way"

Morris Schrauben, Route 1, Orleans, Michigan, runs orchard prunings and brush through his Model C-6 Fitchburg Farm Chipper.

Michigan grower with 50 acres of apple orchard, Morris Schrauben, writes: "I purchased a Model C-6 Fitchburg Chipper this spring and mounted it on a 1939 John Deere AO tractor. I have been topping some large trees and pruning very heavy in others and find the only breaking down of the brush required is to get it light enough to handle. I haven't the actual figures, but I feel I dispose of my brush at least one-third cheaper and easier than any other way."

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For their 1600 acres of apples and peaches, Alfred Caggiano, Sunny Slope Farms, Bridgeton, N. J., and Gaffney, S. C., says: "Our Fitchburg Farm Chippers are serving us a two-fold purpose. Not only do they save time and labor, but chips serve as ideal mulch."

Fitchburg Farm Chippers not only save time and labor, but wood chip mulch around the base of trees pays off in better fruit and finish. Wood chips make ideal mulch—hold moisture readily, help prevent weed growth, discourage rodents.

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Town State

Orchard crop Number of acres

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Winter-Hardy Varieties

The November freeze was a good test of hardiness

By K. LAPINS
Summerland, B.C.

THE early November freeze and subzero temperatures in January and February have caused damage to fruit trees throughout the fruit growing area of British Columbia.

The minimum temperatures registered at the Experimental Farm, Summerland, were -2° F. on November 11 and -8° F. on February 15. In less favored fruit growing areas the minimum temperatures were about 8 to 10 degrees lower than those at the farm. Most damage to pome fruits and cherries was done by the November freeze, while apricots and peaches suffered more from the low temperatures in February.

An extensive survey of the frost damage was made by the Experimental Farm. Several hundred samples were collected at the farm and in growers' orchards in all the fruit growing districts of the province. Samples were forced in the laboratory and examined in detail. Then prospects for tree recovery and the 1956 crop were estimated.

Spur Damage Predominant

Spur damage is the predominant type of injury, especially in cherries, apples, and prunes. Old fruit spurs, particularly those that bore fruit last year, are injured even in moderately hardy varieties, while the one-year-old spurs have survived in most varieties. Damage to trunk and crown is rather severe in some areas, especially in apples and cherries. Young trees may be damaged in crown, trunk, and scaffold in all fruits.

Because of considerable variation in frost injury, the extent of the overall damage was difficult to assess. Such factors as the temperatures before the November freeze and general condition of the orchard influenced the effect of the minimum temperatures to such an extent that nearly every orchard presented a different picture.

The relative hardiness of varieties was found to be consistent throughout the survey, however. Although each winter produces a somewhat different grouping of varieties for their hardiness, and this winter was no exception, the hardiness of varieties as found this winter is in good agreement with our previous observations.

We grouped the varieties in relative hardiness classes, based mainly



Difference in hardiness of fruit buds in Summerland, B.C., apple orchard showed up clearly at blossomtime. Moderately hardy McIntosh tree (right) showed good bud development; moderately tender Spartan (left) had few blossoms.

on frost injury to the younger wood, especially to fruit spurs. In apricot and peach varieties the relative hardiness refers to fruit buds. This classification of varieties rather well represents the varietal over-all hardiness. There are but a few exceptions. Tilton apricot is in the "moderately tender" group for fruit buds, but is tender in tree; Golden Delicious and

CLASSIFICATION OF VARIETIES ACCORDING TO WINTER HARDINESS AT SUMMERLAND, B.C., 1956

APPLE VARIETIES

(Hardiness in fruit spurs and 1- to 3-year-old wood)

Hardy—Lodi, Melba, Minjon, Victory, Yellow Transparent.
Moderately hardy—Early McIntosh, Kendall, McIntosh, Secor, Wealthy.
Moderately tender—Monocacy, Spartan, Winesap.
Tender—Delicious, Golden Delicious, Jonathan, Monroe, Rome Beauty, Turley.
Very tender—Cox Orange, Idared, Newtown, Stayman.

CHERRY VARIETIES

(Hardiness in fruit spurs and 1- to 3-year-old wood)

Moderately hardy—Hedelfingen, Lamida, Sam, Star, Van.
Moderately tender—Lambert, Sue.
Tender—Bing, Royal Ann.
Very tender—Deacon, Ebony, Velvet.

PEAR VARIETIES

(Hardiness in fruit spurs and 1- to 3-year-old wood)

Hardy—Anjou, Flemish Beauty.
Moderately hardy—Bartlett.

APRICOT VARIETIES

(Hardiness in fruit buds)

Moderately hardy—Sophia.
Moderately tender—Reliable, Sun Glo, Tilton.
Tender—Elenheim, Constant, Wenatchee.
Very tender—Perfection.

PEACH VARIETIES

(Hardiness in fruit buds)

Moderately hardy—Rochester, Spotlight, Triogem, Valiant, Veelette, Veteran.
Moderately tender—Fairhaven, Golden Jubilee, Halehaven, Redhaven, Somervee, Veefreeze.
Tender—Dixiegene, Elberta, Solo.
Very tender—J. H. Hale.

Spartan apples showed tenderness in fruit spurs, but are not so tender in the vegetative growth.

In apple varieties, the well-known relationship between earliness of fruit and frost hardiness is clearly demonstrated again this winter. There are, however, a few exceptions. Winesap, one of the latest varieties, was by no

means the most tender. On the other hand, Cox Orange, a midseason variety, proved to be very tender.

Hardy New Varieties

Above all, we were interested in hardness of the newer varieties. The apple introductions from Minnesota—Minjon and Victory—proved to be as hardy as Yellow Transparent and did not show even the slightest injury at Summerland. Minjon is a Jonathan type of apple, but earlier, and Victory is a relative to McIntosh, but later and apparently harder. Kendall and Secor show sufficient hardness. Idared from Idaho showed promise as a late winter variety, but unfortunately is too tender for British Columbia.

In apricot, the recent introduction, Sun Glo, has proved to be relatively hardy in fruit buds in several test winters. Perfection, on the other hand, consistently shows tenderness in fruit buds.

The cherry introductions from Summerland—Sam, Star, and Van—are relatively hardy in fruit spurs this year. While in Sam and Star the observations are not extensive, Van has been consistently hardy in several test winters here.

The Spotlight peach, a Summerland introduction, is again hardier in fruit buds than its competitor, Redhaven. Solo, a firm peach of Veteran season, has consistently shown tenderness in fruit buds. **THE END**

NEW LABORAVER: PLASTIC LUGS

A CALIFORNIA man has invented a plastic lug for hauling fruit from orchard to packing shed. Designed to eliminate the costly breakage and extra weight of the wooden lugs now in use, the new lug, made of a mineral-filled plastic, weighs only one-third as much as the standard wooden lug.

The inventor, Pat Padula, of Riverside, points out that the plastic lugs, on which patent is pending, would cost about 20% more than wooden lugs, but would last 10 to 20 years. (The average life of a wooden lug is about two years.) The plastic type is stronger, and an interlocking design makes it virtually spill-proof. In addition it is easy to clean and can even be sterilized.

A specialist in metals work, Padula got his idea for the plastic lug while picking grapes on his father's ranch near Lodi. While engaged in the fruit shipping business in recent years, he became more concerned with the problems presented by wooden lugs.

JULY, 1956

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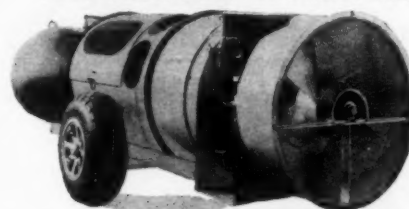
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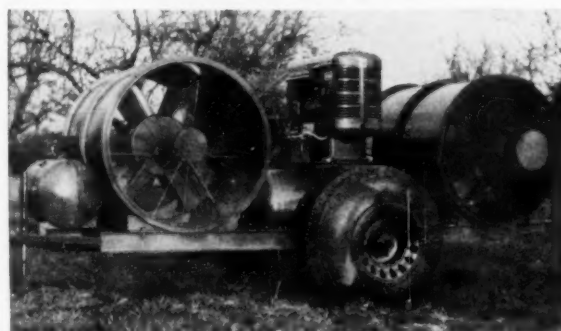
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Lift Trucks	64
Lifting Units for Tractors	64
Lindane	26
Linens	68
Liquid Fertilizers	32
Loaders—Hydraulic	61
Loaders—Truck	64
Lubricating Equipment	65

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Letherman's, Inc., 438 Cleveland
Avenue, N.W., Canton 2
Complete Line of Seeds and Spray Materials
Salem Service & Supply, Inc., Salem
Akron Irrigation Systems, Myers Power
Sprayers, Lobes Fruit & Vegetable Sizers,
Waxers, Washers, Tew, Trescott Baggers,
Potato Handling Equipment

M	
Machine Tools	65
Magnesium Sulphate	32
Magnifiers, Hand	38
Maintenance Equipment	65
Malathion	27
Maleic Hydrazide	33, 34
Maneb	31
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Marking Devices	68
Methoxychlor	28
Methyl Bromide	35
Miscible Oils	28
Mist Sprayers	36
Mobile Orchard Platforms	57
Moisture Meters	53
Mono-Calcium Arsenite	33
Mowers, Rotary	56
Mowers, Sickle Bar	49, 50
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N	
Nabam	31
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Naphthaleneacetic Acid	34
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Nitrate of Potash	32
Nitrate of Soda	32
Nitrogen Solutions	32
N.I.X.	33
Nozzles, Guns & Brooms	38
NPA (Alanap-1)	33
Nursery Stock	42-44
Nut Cracking Machinery	72

Nut Trees	43
Nutritional Foliar Plant Solutions	32
Nutritional Trace Elements	32
NYX	34

O	
Oil Emulsions	28
Oils—Spray	28
Orchard Chemicals	26-35
Orchard Heaters	45
Orchard Sanitation	40, 41
Orchard Wagons	52
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Oven	28
Oxyquinoline Compound (Sunox)	35

P	
Package Bees & Queens	45
Packages & Packaging	66-69
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Packing Forms	64
Packing House Equipment	62-65
Packing Tables	64
Pads	68
Paradichlorobenzene	35
Parathion	28
Parers	33, 70
PCP (Pentachlorophenol)	33
Peach Pits	43
Pectin	70
Peelers	70
Phenothiazine	28
Picking Bags, Baskets, Buckets	60
Picking Devices	61
Picking Harness	61
Pipe Carriers	53
Pipe Couplings	53
Pipe—Metal	54
Pipe—Plastic	54
Pipe—Portable, Metal	54
Pipe—Portable, Perforated	54
Pistons & Piston Rings	41
Plant Bed Covers	45
Plant Testing Kits	32
Planters, Seed	49
Plows—Disc, Moldboard, Two-Way	51
Poisons—Rodent	35
Pollen	45
Pollination	45
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Post Drivers	46
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Potassium Cyanate	33
Power Dusters	37
Power Pruners	58
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Pressure Cookers	70
Pressure Gauges	38
Propagating Materials—Air Wraps	59
Protective Coatings	69
Pruners, Hand & Power	57, 58
Pruning & Grafting	56-59
Pruning Knives, Hooks, Tools	57
Pulpers	70
Pump Diaphragm	38
Pumps—Centrifugal, Deep Well, Portable	54, 55
Pumps	54, 55
Pyrethrum & Derivatives	28

R	
Racks & Strainers—Fruit Juice	72
Radiator Cleaners	41

In PENNSYLVANIA, Write . . .

Adams County Fruit Packing &
Distributing Co., Inc., Biglerville
John Bean Sprayers and Packinghouse Ma-
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Tractors and Implements, Miller-Robinson
Pruners, Trump Tree Tillers, Insecticides
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ment, John Bean Sprayers and Potato Equip-
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Complete Line of Tools, Equipment and
Chemicals for the Orchard

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Pittsburgh 6

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Tractors, Rose Rotary TreHoe, Shaver Hy-
draulic Post Driver, Woods Rotary Cutters

Refrigeration Machinery	47
Refrigeration & Storage	47
Respirators	40
Rodent Repellents	35
Rodenticides	35
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Ryania	28

S	
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Sealers	70
Seed Cleaners	45
Seed Drills	49
Seedlings & Understocks	43
Seeds, Coated	45
Seeds, Fruit	43
Seeds & Plants	45

In OREGON, Write . . .

Miller Products Company, Ft. of
S. W. Caruthers, Portland 1

SES	33
Shredded Paper	68
Sizing Rings	64
Slicers	70
Small Fruits & Grape Vines	44
Sodium Arsenite	33
Sodium Benzoate	72
Sodium Chlorate	33
Sodium Salt of Dinitro-Ortho-Cresol	33
Soil Conditioners	32
Soil Fumigants	35
Soil Testing Outfits	32
Sorting Tables—Fruit	64, 70
Spark Plugs	41
Spectrographic Leaf Analysis	38
Speedometers	38
Sponge Rubber Sheetting	64
Spray Accessories	38-39
Spray Booms	38

In TEXAS, Write . . .

Simon J. Burg Sprayer Co., Stonewall
Distributors for John Bean Hand and Power
Spraying Equipment, Porter Pruning Equip-
ment, Agricultural Chemicals, Weed and
Brush Killers, Ranger Portable Livestock
Scales and Chutes

Spray Clothing	40
Spray Dusters	36
Spray Hose & Fittings	38, 39
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Spray Protection	40
Sprayers—Concentrate	36
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Spreaders, Stickers	28
Sprinkler Heads—Revolving	55
Sprinkler Systems	55
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Stamps—Rubber	69
Stapler, Stitchers, Staples	32
Starter Solutions	32
Steam Traps	45
Sterilizing Covers	45
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Stop Drop Sprays & Dusts, 2,4,5-TA, 2,4,5-TP	34
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Streptomycin Nitrate	30
Streptomycin-Terramycin	30
Substituted Urea Herbicides	33
Sulphate of Ammonia	32
Sulphur Dioxide	70
Sulphur—Fertilizer	32
Sulphurs—Spray	31
Summer Oils	28
Superphosphate	32
Swivels	38

T	
Tanks & Tank Fillers	41
Tanks, Copper & Stainless Steel	70
Tanks, Plastic Lined	72
Tanks, Wood	41, 72

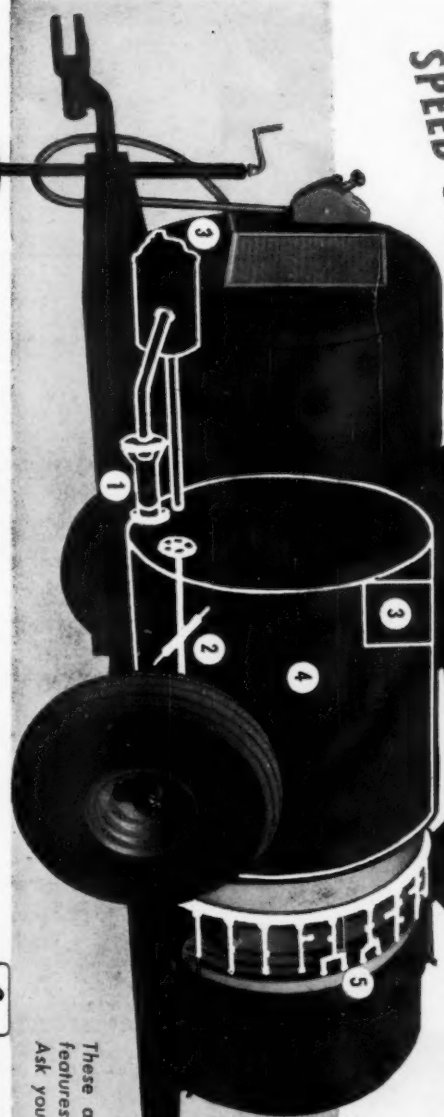
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SPRAY DELIVERY
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SIMPLIFIES UPKEEP**



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Food Machinery and
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Tar Emulsions	38
TCA	33
Temperature Controls	45
Terramycin	30
Tetraethyl Pyrophosphate	29
Thermometers	48
Thermostats	48
Thiram	31
Tires, Tubes—Pneumatic	41
Tomato Blossom Set	34
Toxaphene	29
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Tractor Chains	41, 52
Tractor Hoes	52
Tractor & Tillage Equipment	49-52
Tractor Underdrive	52
Tractors—Diesel, Garden, Wheel	52
Tractors—Crawler	52
Transplant Hormones	34
Transplanters—Cabbage, Celery, Tomatoes	52
Traps—Insect	41
Transplanters—Hand	52
Transplant Containers	52
Tray Packs	69
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Tree Bracers	59
Tree Guards	59
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U

Urea	32
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V

Valves & Fittings	39
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Vegetable & Melon Seeds	45
Vegetable Plant Growers	45
Ventilators	45, 48

In VIRGINIA, Write . . .
E. W. Armstrong Company, P. O. Box
415, Winchester

W

Washers—Fruit	65
Washing Compounds—Fruit	65
Water Storage Tanks	41
Water Supply	41
Waterproofing Compounds	48
Wax—Fruit	65
Wax & Wax Emulsions	59, 65
Waxers	65
Weed Hoes	52
Weed Killers	33
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Weed Sprayers	36
Welders	65
Wind Machines	45
Wire Ties	46
Wire Fencing	67
Wood Boxes & Crates	67, 68
Wood Preserving	48
Wound Dressings	59
Wrappers—Oiled, Plain, Transparent	69

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Gust Gustafson Mfg. Co., P. O. Box 485,
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Spraywell Spray Guns, Cutwell Aluminum
Pole Pruners, Cutwell Aluminum Telescop-
ing Pole Pruning Saws, Cutwell Limb Lop-
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Telescoping Aluminum Guns

Wells & Wade Hardware, Wenatchee
Picking Bags & Buckets, Pole Pruners, Lad-
ders, Box Lifters, Saws, Etc.

X

Xanthogen Disulfide	33
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Z

Zinc Sulphate	29
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JULY, 1956



ORCHARD CHEMICALS

INSECTICIDES

ALDRIN

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
Associated Chemists, Agr. Chem. Div., North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
Shell Chemical Corp., 440 Park Ave., New York, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

*ARAMITE

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
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Gall
Bud
Moth

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Scale
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Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

ARSENICALS

American Agricultural Chemical Co., 50 Church St., N. Y. 7, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

BENZENE HEXACHLORIDE, LINDANE

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Dow Chemical Co., Agricultural Chemicals Dept., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
S. B. Penick & Co., 50 Church St., New York 6, N. Y.
Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
Planetary Chemical Co., Creve Coeur, Mo.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Prentiss Drug & Chem. Co., Inc., 110 William St., N. Y. 38, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Swift & Co., Plant Food Div., Winter Haven, Fla.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

*Manufacturer's brand name.

CHLORDANE

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
S. B. Penick & Co., 50 Church St., New York 6, N. Y.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
Planetary Chemical Co., Creve Coeur, Mo.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Prentiss Drug & Chemical Co., Inc., 110 William St., N. Y. 38, N. Y.
Sennwald Drug Co., 2723 Chouteau Ave., St. Louis, Mo.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Swift & Co., Plant Food Div., Union Stock Yards, Chicago 9, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
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CRYOLITE

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California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.

DDD (TDE)

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Niagara Chemical Div., Food Machinery & Chem. Corp., Middleport, N. Y.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Swift & Co., Plant Food Div., Winter Haven, Fla.
Thompson-Hayward Chem. Co., 2915 Southwest Ave., Kansas City, Mo.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

AMERICAN FRUIT GROWER



ORCHARD CHEMICALS

DDT

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
Associated Chemists, Inc., Agri. Chemicals Div.,
North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce
Bldg., Cleveland 14, Ohio.
Dow Chemical Co., Agricultural Chemical Division,
Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli
Chemicals Dept., Wilmington, Del.
Eston Chemicals Div., American Potash & Chem-
ical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
Geigy Agricultural Chemicals, Geigy Chemical
Corp., 99 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chem. & Dye Corp.,
40 Rector St., N. Y. 6, N. Y.
Michigan Chemical Co., St. Louis, Mich.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis
4, Mo.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
S. B. Penick & Co., 50 Church St., New York 8, N. Y.
Pennsalt of Washington, 2901 Taylor Way, Tacoma
2, Wash.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg.,
Pittsburgh 19, Pa.
Planetary Chemical Co., Creve Coeur, Mo.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Prentiss Drug & Chemical Co., Inc., 110 William
St., N. Y. 38, N. Y.
Shell Chemical Corp., 440 Park Ave., N. Y., N. Y.
Sherwin-Williams Co., 101 Prospect Ave., N. W.,
Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y.,
17, N. Y.
Swift & Co., Plant Food Div., Union Stock Yards,
Chicago 9, Ill.
Thompson Chemicals Corp., 3028 Locust St., St.
Louis 3, Mo., & 3600 Monon St., Los Angeles 27,
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JULY, 1956

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Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Pennsalt of Washington, 2901 Taylor Way, Tacoma
2, Wash.

*DIAZINON

Geigy Agricultural Chemicals, Geigy Chemical
Corp., 99 Barclay St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.

DIELDRIN

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
Associated Chemists, Inc., Agri. Chemicals Div.,
North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
Diamond Black Leaf Co., 300 Union Commerce
Bldg., Cleveland 14, Ohio.
Eston Chemicals Div., American Potash & Chemical
Corp., 3100 E. 26th St., Los Angeles 23, Calif.
Geigy Agricultural Chemicals, Geigy Chemical
Corp., 99 Barclay St., N. Y. 6, N. Y.
General Chemical Div., Allied Chem. & Dye Corp.,
40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
S. B. Penick & Co., 50 Church St., New York 8, N. Y.
Planetary Chemical Co., Creve Coeur, Mo.
Shell Chemical Corp., 440 Park Ave., N. Y., N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y.,
17, N. Y.; 636 California St., San Francisco, Calif.
Thompson Chemicals Corp., 3028 Locust St., St.
Louis 3, Mo.; 3600 Monon St., Los Angeles 27,
Calif.
Thompson-Hayward Chemical Co., 2915 Southwest
Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

DINITROS

Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
Dow Chemical Co., Agricultural Chemicals Div.,
Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli
Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical & Dye
Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
Sherwin-Williams Co., 101 Prospect Ave., N. W.,
Cleveland 1, Ohio
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NABAM

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 Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.

ORGANO-MERCURI

Central Chemical Corp., Hagerstown, Md.
 Chemley Products Co., 14 E Jackson Blvd., Chicago 4, Ill.
 Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
 Galloway Chemical Corp., Ossining, N. Y.
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.

SULFURS

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
 Central Chemical Corp., Hagerstown, Md.
 Chipman Chemical Co., Inc., Bound Brook, N. J.
 Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
 Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
 Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
 Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
 B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
 Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
 Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
 Swift & Co., Plant Food Division, Winter Haven, Fla.
 Tennessee Corp., 419 Grant Bldg., Atlanta 1, Ga.
 Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

*Manufacturer's brand name.

JULY, 1956

THIRAM

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.

ZINEB

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
 California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
 Central Chemical Corp., Hagerstown, Md.
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
 Geigy Agricultural Chemicals, Geigy Chemical Corp., 87 Barclay St., N. Y. 6, N. Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
 Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
 Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

ZIRAM

Central Chemical Corp., Hagerstown, Md.
 Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
 Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
 E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
 Geigy Agricultural Chemicals, Geigy Chemical Corp., 87 Barclay St., N. Y. 6, N. Y.
 General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
 B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio
 Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.

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Benson-Maclean, Bridgeton, Ind.
Central Chemical Corp., Hagerstown, Md.
Gibsonburg Lime Prod. Co., Gibsonburg, Ohio
Marble Cliff Quarries Co., 8 E. Long St., Columbus, Ohio
National Gypsum Co., 325 Delaware St., Buffalo, N. Y.
Ohio Lime Co., Woodville, Ohio
Phillips Brothers Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Scioto Lime & Stone Co., Delaware, Ohio
United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.
Warner Co., Bellefonte Div., Bellefonte, Pa.
Woodville Lime Products Co., Toledo, Ohio

AMMONIUM NITRATE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Consolidated Mining & Smelting Co., 506 Marine Bldg., Vancouver, B. C., Canada
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Spencer Chemical Co., Dwight Bldg., Kansas City 6, Mo.

AMMONIUM NITRATE LIMESTONE

Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

AMMONIUM SULPHATE

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.

ANHYDROUS AMMONIA

American Cyanamid Co., Agricultural Chemicals Div., 30 Rockefeller Plaza, New York 20, N. Y.
Grand River Chemical Div., Deere & Co., 2010 South Ulica, Tulsa, Okla.
Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Olin-Mathieson Chemical Corp., Mathieson Bldg., Baltimore, Md.
Shell Chemical Corp., 460 Park Ave., N. Y. 17, N. Y.

BORAX

American Potash & Chemical Corp., 3030 W. 6th, Los Angeles 54, Calif.
Central Chemical Corp., Hagerstown, Md.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Pacific Coast Borax Co., 100 Park Ave., N. Y. 17, N. Y.
Phillips Brothers Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.

CALCIUM CYANAMIDE

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.

CHELATED COMPOUNDS

Dow Chemical Co., Agricultural Chemical Dept., Midland, Mich.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 99 Barclay St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Refined Products Corp., Lyndhurst, New Jersey
Veronesi, Inc., Framingham, Mass.

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Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

DEEP ROOT FEEDER

Charles Finishing Products, Abington, Pa.

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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

MAGNESIUM SULFATE

Central Chemical Corp., Hagerstown, Md.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
James Good, Inc., Susquehanna Ave. & Martha St., Philadelphia 25, Pa.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

MANGANESE SULFATE

Carus Chemical Co., La Salle, Ill.
Central Chemical Corp., Hagerstown, Md.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chem. Dept., Wilmington, Del.
Eastman Chemical Products, Inc., 260 Madison Ave., New York 16, N. Y.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Merck & Co., Inc., Rahway, N. J.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

NITRATE OF POTASH

Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.

NITRATE OF SODA

Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.
Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Smith Agricultural Chemical Co., 618 N. Champion Ave., Columbus 16, Ohio
Swift & Co., Plant Food Div., Union Stock Yard, Chicago 9, Ill.

NITROGEN SOLUTIONS

American Cyanamid Co., Agricultural Chemicals Div., 30 Rockefeller Plaza, New York 20, N. Y.
Grace Chemical Co., 501 Edway Bldg., Memphis 1, Tenn.
Nitrogen Division, Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

NUTRITIONAL TRACE ELEMENTS

Ferro Corp., Agricultural Div., 4150 E. 56th St., Cleveland 5, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

PLANT TESTING KIT

S. N. Bray, 512 W. Washington St., Urbana, Ill.

POTASH SALTS

American Potash & Chemical Corp., 3030 W. 6th, Los Angeles 54, Calif.
American Potash Institute, 1102 16th St., N. W., Washington 6, D. C.
International Minerals & Chem. Corp., 20 N. Wacker Dr., Chicago 6, Ill.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
United States Potash Co., 30 Rockefeller Plaza, N. Y. 20, N. Y.

SOIL CONDITIONERS

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Benson-Maclean, Bridgeton, Ind.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stern's Nurseries, Geneva, N. Y.

SOIL TESTING OUTFITS

Edwards Laboratory, Norwalk, Ohio
LeMotte Chemical Products Co., Towson 4, Md.
Sudbury Laboratory, S. Sudbury, Mass.

SPECTROGRAPHIC LEAF ANALYSIS

National Spectrographic Sales Corp., 6300 Euclid Ave., Cleveland 3, Ohio

NUTRITIONAL FOLIAR PLANT FOODS AND STARTER SOLUTIONS

American Chemical Paint Co., Ambler, Pa.
Armour Fertilizer Works, 350 Hurt Bldg., Atlanta, Ga.
Chattelier Plant Products, Box 119-A, St. Petersburg 4, Fla.
Clover Chemical Co., Box 10865, Pittsburgh 36, Pa.
E. I. du Pont de Nemours & Co., Wilmington 98, Del.
Kapco Div., Summers Fertilizer Co., Inc., McKeesport, Pa.
Marion Chemical Co., Marion, Ohio
McCormick and Co., 414 Light St., Baltimore 2, Md.
Miller Chemical & Fertilizer Co., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
"Na-churs" Plant Food Co., Marion, Ohio
Naco Fertilizer Co., Findlay, Ohio
Plant Food Co., Strator, Ill.
Plant Products Corp., Kennedy Ave., Blue Point, L. I., N. Y.
Ra-Pid-Gro Corp., Box 13, Danville, N. Y.
Stern's Nurseries, 404 William St., Geneva, N. Y.
Swift and Co., Union Stock Yards, Chicago 9, Ill.
Victor Chemical Works, 155 N. Wacker Dr., Chicago 6, Ill.

SULFATE OF AMMONIA

American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Benson-Maclean, Bridgeton, Ind.
Central Chemical Corp., Hagerstown, Md.
Consolidated Mining & Smelting Co., 506 Marine Bldg., Vancouver, B. C., Canada
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Shell Chemical Corp., 460 Park Ave., N. Y. 17, N. Y.
Smith Agricultural Chem. Co., 618 N. Champion Ave., Columbus 16, Ohio

SULFUR

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
Miller Chem. & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

SUPERPHOSPHATE

American Agricultural Chemical Co., 50 Church St., N. Y. 7, N. Y.
Armour Fertilizer Works, 350 Hurt Bldg., Atlanta, Ga.
Central Chemical Corp., Hagerstown, Md.
Davison Chemical Co., 101 N. Charles St., Baltimore 3, Md.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Farmers Fertilizer Co., Columbus, Ohio
Federal Chemical Co., Starks Bldg., Louisville, Ky.
International Minerals & Chem. Corp., 20 N. Wacker Dr., Chicago 6, Ill.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Summers Fertilizer Co., Inc., Stock Exchange Bldg., Baltimore, Md.
Swift & Co., Plant Food Div., Union Stock Yard, Chicago 9, Ill.
Tennessee Corp., 619 Grant Bldg., Atlanta, Ga.

UREA

E. I. du Pont de Nemours & Co., Polychemicals Dept., Wilmington, Del.
Grace Chemical Co., 501 Edway Bldg., Memphis 1, Tenn.
Grand River Chemical Div., Deere & Co., 2010 South Ulica, Tulsa, Okla.
Nitrogen Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

WEED KILLERS

AMMONIUM SULFAMATE

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Thompson-Hayward Chemical Co., 2915 Southwest Ave., Kansas City, Mo.

CHLORO IPC

American Chemical Paint Co., Ambler, Pa.
Associated Chemists, Inc., North Collins, N. Y.
California Spray-Chemical Co., 711 14th St., N. W., Washington 5, D. C.; Richmond, Calif.
Chipman Chemical Co., Pasadena, Texas; Bound Brook, N. J.
Columbia-Southern Chem. Co., Sub. Pittsburgh Plate Glass Co., One Gateway Center, Pittsburgh 22, Pa.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 8, N. Y.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Co., 2226 N. Howard St., Baltimore 18, Md.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Olin-Mathieson Chemical Co., Little Rock, Ark.; P. O. Box 1996, Baltimore 3, Md.
Pittsburgh Coke & Chemical Co., Grant Bldg., Pittsburgh, Pa.
Spencer Chemical Co., Dwight Bldg., Kansas City, Mo.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Veg-Acre Farms, Forestdale, Cape Cod, Mass.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla.

CYANAMID AND CYANATE

American Cyanamid Co., Agricultural Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.

DINITRO BUTYL PHENOL

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

MALEIC HYDRAZIDE

General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

MONO-CALCIUM ARSENITE

Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.

N. I. X.

B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio

N P A (ALANAP-I)

General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.

PCP (PENTACHLOROPHENOL)

Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

POTASSIUM CYANATE

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
American Chemical Paint Co., Ambler, Pa.
American Cyanamid Co., Agri. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

SES (CRAG HERBICIDE I)

Carbide & Carbon Chemicals Co., Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

SODIUM ARSENITE

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 8, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
James Good Co., Susquehanna Ave. & Martha St., Philadelphia 25, Pa.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.
Philipp Bros. Chemicals, Inc., 37 Wall, N. Y., N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio

SODIUM CHLORATE

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Eaton Chemicals Div., American Potash & Chemical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 8, N. Y.
Harshaw Chemical Co., 1945 E. 97th, Cleveland, Ohio
Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.

SODIUM SALT OF DINITRO-ORTHO-CRESOL

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

SUBSTITUTED UREA HERBICIDES

E. I. du Pont de Nemours & Co., Wilmington, Del.

T C A

Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 8, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

2,4-D and 2,4,5-T

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
American Chemical Paint Co., Ambler, Pa.
Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N. Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.

Diamond Black Leaf Co., 300 Union Commerce Bldg., Cleveland 14, Ohio

Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.

Geigy Agricultural Chemicals, Geigy Chemical Corp., 89 Barclay St., N. Y. 8, N. Y.

General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.

Monsanto Chemical Co., 1700 S. 2nd, St. Louis, Mo.

Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.

Pennsalt of Washington, 2901 Taylor Way, Tacoma 2, Wash.

Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

Stauffer Chemical Co., 636 California St., San Francisco, Calif.

Swift & Co., Plant Food Div., Union Stock Yards, Chicago 9, Ill.

Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

XANTHOGEN DISULFIDE (HERBISAN)

Roberts Chemical Co., 1427 San Run Road, Akron 13, Ohio



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GROWTH REGULATORS

COLCHICINE

Benson-Maclean, Bridgeton, Ind.

FRUIT THINNING SPRAYS

DINITROS

Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

NAPHTHALENEACETAMIDE

American Chemical Paint Co., Ambler, Pa.

NAPHTHALENEACETIC ACID

American Chemical Paint Co., Ambler, Pa.
Benson-Maclean, Bridgeton, Ind.
Central Chemical Corp., Hagerstown, Md.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Westville Laboratories, Stepney, Conn.

GROWTH RETARDERS

MALEIC HYDRAZIDE

General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

NXV (For Berries)

Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.

STOP DROP SPRAYS AND DUSTS

NAPHTHALENEACETIC ACID See FRUIT THINNING SPRAYS

2,4,5-TA

American Chemical Paint Co., Ambler, Pa.
2,4,5-TP
American Chemical Paint Co., Ambler, Pa.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Westville Laboratories, Stepney, Conn.

TOMATO HORMONE SPRAY

Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

TRANSPLANT HORMONES

American Chemical Paint Co., Ambler, Pa.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.

2,4-D

See WEED KILLERS

2,4,5-T

See WEED KILLERS

THE NEWER ORGANIC PESTICIDES

With Some Commonly Known Brand Names

PESTICIDE AND BRAND NAMES

ALDRIN

PESTICIDE AND BRAND NAMES	MANUFACTURER
Aldrin	Shell
Black Leaf Aldrin	Diamond Black Leaf
Chipman Aldrin	Chipman Chemical
Corona Aldrin	Pittsburgh Plate Glass
Niagara Aldrin	Niagara
Orchard Brand Aldrin	General Chemical
Ortho Aldrin	Calif. Spray-Chemical
Penco Aldrin	Pennsylvania Salt
Stauffer Aldrin	Stauffer

ANTIBIOTICS

Actidione

Actispray	Niagara
Actispray	Upjohn

Streptomycin

Agri-strep	Merck
Agri-strep	Niagara
Phytomycin	Squibb

Streptomycin-Terramycin

Agri-mycin	Chas. Pfizer
Agri-mycin 100	Chipman Chemical
Agri-mycin 100	General Chemical

*ARAMITE

Aramite	U. S. Rubber
Black Leaf Aramite	Diamond Black Leaf
Chipman Aramite	Chipman Chemical
Corona Aramite	Pittsburgh Plate Glass
Niagara Aramite	Niagara
Orchard Brand Aramite	General Chemical
Ortho-Mite	Calif. Spray-Chemical
Penco Aramite	Pennsylvania Salt
Stauffer Aramite	Stauffer

BHC

Benzahex	Chipman Chemical
Benzex	Woolfolk
BHC 10 Spray	Niagara
Black Leaf BHC	Diamond Black Leaf
Corona BHC	Pittsburgh Plate Glass
Gammacide	Calif. Spray-Chemical
Gamtex	Calif. Spray-Chemical
Gy Ben	Geigy
Hexadow	Dow
Isotox	Calif. Spray-Chemical
Lexone	DuPont
Lintox	Stauffer
Orchard Brand BHC	General Chemical
Penco BHC	Pennsylvania Salt
Penco Hi Gamma BHC	Pennsylvania Salt
Stauffer BHC	Stauffer

CAPTAN

Orthocide	Calif. Spray-Chemical
Stauffer Captan	Stauffer

CHLORANIL

Spargon	U. S. Rubber
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CHLORDANE

Black Leaf Chlordane	Diamond Black Leaf
Chipman Chlordane	Chipman Chemical
Chlor Kil	Niagara
Corodane	Pittsburgh Plate Glass
Orchard Brand Chlordane	General Chemical
Ortho-Klor	Calif. Spray-Chemical
Pratts Chlordane	B. G. Pratt
Stauffer Chlordane	Stauffer
Synklor	U. S. Rubber

*CHLOROBENZILATE

Chlorobenzilate 25 W	Geigy
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DDD (TDE)

Black Leaf TDE	Diamond Black Leaf
Corona Rothane	Pittsburgh Plate Glass
Niagara DDD	Niagara
Orchard Brand TDE	General Chemical
Orthene	Calif. Spray-Chemical
Rothane	Rohm & Haas
Stauffer DDD	Stauffer

DDT

Black Leaf DDT	Diamond Black Leaf
Chipman DDT	Chipman Chemical
Corona 50-50 W	Pittsburgh Plate Glass
DDTOL	Sherwin-Williams
D-50 Wettable	Rohm & Haas
Deenate	DuPont
Dow DDT	Dow
Geigy DDT	Geigy
Genitox	General Chemical
Monsanto DDT	Monsanto
Niatox	Niagara
Penco DDT	Pennsylvania Salt
Penco Pentech	Pennsylvania Salt
Persisto	Calif. Spray-Chemical
Pratts DDT	B. G. Pratt

* Manufacturer's brand name.

PESTICIDE AND BRAND NAMES

DEMETON

PESTICIDE AND BRAND NAMES	MANUFACTURER
Stauffer Systox	Stauffer
Systox	Chemagro
Systox	Dow
Systox	Niagara
Systox	Chipman Chemical
Systox	Pennsylvania Salt

*DIAZINON

Diazinon 25 W	Geigy
Diazinon 25 E	Geigy
Diazinon Fly Bait	Geigy

DICHLONE

Black Leaf Phygon	Diamond Black Leaf
Corona Phygon-XL	Chipman Chemical
Corona Phygon-Sulfur	Pittsburgh Plate Glass
Kolo 100	Niagara
Phygon-XL	U. S. Rubber
Stauffer Phygon	Stauffer

DIELDRIN

Black Leaf Dieldrin	Diamond Black Leaf
Chipman Dieldrin	Chipman Chemical
Corona Dieldrin	Pittsburgh Plate Glass
Dieldrin	Niagara
Dieldrin	Shell
Orchard Brand Dieldrin	General Chemical
Ortho Dieldrin	Calif. Spray-Chemical
Penco Dieldrin	Pennsylvania Salt
Stauffer Dieldrin	Stauffer

DINITROS-DORMANT

Corodinec	Pittsburgh Plate Glass
Corona Dinitro Powder	Pittsburgh Plate Glass
Dinitro Dry	Niagara
DN Drymix No. 1	Dow
DN Drymix No. 2	Dow
DN-289	Dow
Elgetol 30	Standard Agri. Chem.
Elgetol 318	Standard Agri. Chem.
Krenite 26	DuPont
Nitro Vaporol	Calif. Spray-Chemical

DINITROS-SUMMER

DN-111	Dow
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ENDRIN

Black Leaf Endrin	Diamond Black Leaf
Chipman Endrin	Chipman Chemical
Corona Endrin	Pittsburgh Plate Glass
Endrin	Niagara
Endrin	Shell
Endrin	Velsicol
Orchard Brand Endrin	General Chemical
Penco Endrin	Pennsylvania Salt
Stauffer Endrin	Stauffer

EPN

EPN 300	DuPont
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FERBAM

Black Leaf Ferbam	Diamond Black Leaf
Carbamate	Niagara
Chipman Ferbam 76	Chipman Chemical
Ferbamate	Pittsburgh Plate Glass
Ferbamate	DuPont
Ferradow	Dow
Karlam Black	Sherwin-Williams
Nu-Leaf	Calif. Spray-Chemical
Orchard Brand Ferbam	General Chemical
Penco Ferbam	Pennsylvania Salt

*GENITE EM-923

Genite EM-923	General Chemical
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GLYODIN

Crag Glyodin	Carbide & Carbon
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HEPTACHLOR

Black Leaf Heptachlor	Diamond Black Leaf
Chipman Heptachlor	Chipman Chemical
Geigy Heptachlor	Geigy
Heptachlor	Velsicol
Niagara Heptachlor	Niagara
Orchard Brand Heptachlor	General Chemical
Ortho Heptachlor	Calif. Spray-Chemical
Standard Heptachlor	Standard Oil (Ind.)
Stauffer Heptachlor	Stauffer

*KARATHANE

Karathane	Rohm & Haas
Mildex	Larvacide Products

*KELTHANE

Kelthane	Rohm & Haas
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PESTICIDE AND BRAND NAMES

MANUFACTURER

LINDANE

Black Leaf Lindane	Diamond Black Leaf
Chipman Lindane	Chipman Chemical
Dow Lindane	Dow
Geigy Lindane	Geigy
Isotox	Calif. Spray-Chemical
Niagara Lindane	Niagara
Orchard Brand Lindane	General Chemical
Penco Lindane	Pennsylvania Salt
Pratts Lindane Spray	B. G. Pratt
Stauffer Lindane	Stauffer

MALATHION

Black Leaf Malathion	Diamond Black Leaf
Chipman Malathion	Chipman Chemical
Corona Malathion	Pittsburgh Plate Glass
Geigy Malathion	Geigy
Malathion 50 Spray	American Cyanamid
Orchard Brand	Niagara
Malathion	General Chemical
Ortho Malathion	Calif. Spray-Chemical
Penco Malathion	Pennsylvania Salt
Pratts Malathion Spray	B. G. Pratt
Stauffer Malathion	Stauffer

MANEB

Dithane M-22	Rohm & Haas
Manzate	DuPont

METACIDE

Metacide	Chemagro
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METHOXYCHLOR

Chipman Methoxychlor	Chipman Chemical
Corona Methoxychlor	Pittsburgh Plate Glass
Geigy Methoxychlor	Geigy
Marlate	DuPont
Methoxide	Niagara
Orchard Brand	
Methoxychlor	General Chemical
Orthotox	Calif. Spray-Chemical
Stauffer Methoxychlor	Stauffer

KNOW—DON'T GUESS

AMERICAN FRUIT GROWER'S 1956
Compatibility Chart of Insecticides and
Fungicides is available in three colors
on heavy Bristol board so it can be posted
in office, barn or spray shed for quick,
handy reference.
Cost of chart: 25 cents in U. S. and
Canada; 75 cents in Pan American and
foreign countries. Quantity prices quoted
on request. Send remittance in cash,
money order, or stamps to:

AMERICAN FRUIT GROWER
Willoughby, Ohio

NABAM

Dithane D-14	Rohm & Haas
Liquid Parzate	DuPont
Niagara Nabam Solution	Niagara
Ortho Nabam	Calif. Spray-Chemical
Thiodow	Dow

ORGANO-MERCURY

Coromere	Pittsburgh Plate Glass
Orchard Brand	
Mercury Spray	General Chemical
Phix	Chemley Products
Puratized Agricultural	
Spray	Gallowhur
Puratized Agricultural	
Spray	Niagara
Puratized Apple Spray	Gallowhur
Puratized Apple Spray	Niagara
Stauffer Phenyl	
Mercury Lactate	Stauffer
Tag	Calif. Spray-Chemical

OVEX

Corotran	Pittsburgh Plate Glass
Orchard Brand Ovex	General Chemical
Orthotran	Calif. Spray-Chemical
Ovotran	Dow
Stauffer Ovex	Stauffer

PARATHION

Black Leaf Parathion	Diamond Black Leaf
Chipman Parathion	Chipman Chemical
Corothion	Pittsburgh Plate Glass
Dow Parathion	Dow
Geigy Parathion	Geigy
Genithion	General Chemical
Niran	Monsanto
Orthophos	Calif. Spray-Chemical
Parathion	Woolfolk
Paradust	Stauffer
Penco Parathion	Pennsylvania Salt
Phos Kil	Niagara
Stauffer Parathion	Stauffer
Thiophos (technical)	American Cyanamid
Vapophos	Calif. Spray-Chemical

QUARTERNARY AMMONIUM COMPOUNDS

Puran AD 50	Gallowhur
Stanofide	Standard Oil (Ind.)

QUINONES

Black Leaf Phygon	Diamond Black Leaf
Kolo 100	Niagara

JULY, 1956

RODENTICIDES

POISONS

Agicide, Inc., 1711 Taylor Ave., Racine, Wis.
American Cyanamid Co., Agri. Chemicals Div.,
30 Rockefeller Plaza, N. Y. 20, N. Y.
Benson-Maclean, Bridgeton, Ind.
California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Carbola Chemical Co., Inc., Natural Bridge, N. Y.
General Chemical Div., Allied Chem. & Dye Corp.,
40 Rector St., N. Y. 6, N. Y.
K-R-O Co., Springfield, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis
4, Mo.
S. B. Penick & Co., 50 Church St., New York 8, N. Y.
John Powell & Co., Inc., One Park Ave., N. Y.
16, N. Y.
Prentiss Drug & Chemical Co., 110 William St.,
N. Y. 38, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y.
17, N. Y.; 636 California St., San Francisco, Calif.

REPELLENTS

DEER
B. F. Goodrich Chemical Co., 2060 E. 9th St.,
Cleveland 15, Ohio
Larvacide Products Inc., 117 Liberty St., N. Y. 6,
N. Y.
Harry N. Leckenby, Duval, Wash.
Neoschem Products Co., Inc., Neosho, Mo.
State College Laboratories, Inc., Box 492, State
College, Pa.
Tre-Tex Co., Shelbyville, Ind.
Wildlife Associates, Inc., Box 534, Hopkinton, N. H.
FLY
Carbide & Carbon Chemicals Co., A Div. of Union
Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17,
N. Y.
Thompson Chemicals Corp., 3028 Locust St., St.
Louis 3, Mo., 3400 Monon St., Los Angeles 27,
Calif.

RODENT

California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Clarion Development Co., Clarion, Pa.
B. F. Goodrich Chemical Co., 2060 E. 9th St.,
Cleveland 15, Ohio
Hammond Paint & Chemical Co., Beacon, N. Y.
Larvacide Products, Inc., 117 Liberty St., N. Y. 6,
N. Y.
Harry N. Leckenby, Duval, Wash.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17,
N. Y.; 636 California St., San Francisco, Calif.
Rollin H. Tabor, Mt. Vernon, Ohio
Tanglefoot Co., 314 Straight Ave., N.W., Grand
Rapids, Mich.
Thompson Chemicals Corp., 3028 Locust St., St.
Louis 3, Mo., 3400 Monon St., Los Angeles 27,
Calif.
Tre-Tex Co., Shelbyville, Ind.
Wisconsin Pharmaceutical Co., 217 N. Water, Mil-
waukee 2, Wis.

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DEER REPELLENT

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1 gallon tins	\$3.95 gal.
5 gallon cans	3.50 gal.
55 gallon drum	3.25 gal.

F.O.B. Neosho, Missouri. Freight allowed on
shipments of 40 gallons or more.

Dealer inquiries acknowledged.

Neoschem Products Co., Inc.

Neosho, Missouri
Box 127

SOIL FUMIGANTS

CALCIUM CYANIDE

American Cyanamid Co., Agri. Chemicals Div., 30
Rockefeller Plaza, N. Y. 20, N. Y.
Merck & Co., Inc., Rahway, N. J.

CHLOROPICRIN

Larvacide Products, Inc., 117 Liberty St., N. Y.
6, N. Y.

ETHYLENE DIBROMIDE

Carbide & Carbon Chemicals Co., A Div. of Union
Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17,
N. Y.
Dow Chemical Co., Agricultural Chemicals Div.,
Midland, Mich.
Eston Chemicals Div., American Potash & Chemical
Corp., 3100 E. 26th St., Los Angeles 23, Calif.
Geigy Agricultural Chemicals, Geigy Chemical
Corp., 87 Barclay St., N. Y. 8, N. Y.
James Good Co., Susquehanna Ave. & Martha St.,
Philadelphia, Pa.
Larvacide Products, Inc., 117 Liberty St., N. Y. 6,
N. Y.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.

D-D

Larvacide Products, Inc., 117 Liberty St., N. Y. 6,
N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Shell Chemical Corp., 440 Park Ave., N. Y. 10,
N. Y.

Phygon-XL	U. S. Rubber
Spergon	U. S. Rubber
Stauffer Phygon	Stauffer

TEPP

Black Leaf TEPP 40	Diamond Black Leaf
Corona TEPP	Pittsburgh Plate Glass
Mulsifos	Woolfolk
Niagara TEPP	Niagara
Orchard Brand TEPP	General Chemical
Pyfos	Woolfolk
Stauffer TEPP	Stauffer
Vapotone	Calif. Spray-Chemical

THIRAM

Thylate	DuPont
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TOXAPHENE

Alltox	Calif. Spray-Chemical
Black Leaf Toxaphene	Diamond Black Leaf
Chipman Toxaphene	Chipman Chemical
Geniphene	General Chemical
Gy-Phene	Geigy
Orchard Brand	
Toxaphene	General Chemical

METHYL BROMIDE

Dow Chemical Co., Agricultural Chemicals Div.,
Midland, Mich.
Eston Chemicals Div., American Potash & Chemical
Corp., 3100 E. 26th St., Los Angeles 23, Calif.
Larvacide Products, Inc., 117 Liberty St., N. Y. 6,
N. Y.
Michigan Chemical Co., St. Louis, Mich.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.

OXYQUINOLINE COMPOUND (SUNOX)

Midvale Chemical Co., Lodi, N. J.

PARADICHLOROBENZENE

Central Chemical Corp., Hagerstown, Md.
Dow Chemical Co., Agricultural Chemicals Div.,
Midland, Mich.
General Chemical Div., Allied Chem. & Dye Corp.,
40 Rector St., N. Y. 6, N. Y.
James Good Co., Susquehanna Ave. & Martha St.,
Philadelphia, Pa.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland
6, Ohio
Merck & Co., Inc., Rahway, N. J.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Monsanto Chemical Co., 1700 S. 2nd St., St. Louis
4, Mo.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Phillips Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.

Penco Toxaphene	Pennsylvania Salt
Stauffer Toxaphene	Stauffer
Toxakil	Niagara

UREA

NuGreen	DuPont
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*VANCIDE

Vancide A	Niagara
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ZINEB

Dithane Z-78	Rohm & Haas
Ortho Zineb	Calif. Spray-Chemical
Parzate	DuPont
Stauffer Zineb	Stauffer
Thiodow	Dow

ZIRAM

Corozate	Pittsburgh Plate Glass
Karbam White	Sherwin-Williams
Opalate	Calif. Spray-Chemical
Orchard Brand Ziram	General Chemical
Stauffer Ziram	Stauffer
Z-C Spray	Niagara
Zerlate	DuPont



SPRAYING and DUSTING Equipment

SPRAYERS

CONCENTRATE

AIR-BLAST

Air-O-Fan Products Corp., Gilroy, Calif.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Cizek Manufacturing & Distributing Co., Clutier, Iowa
Field Force Mfg. Co., Phoenixville, Pa.
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Ryder Engineering Corp., 145 San Antonio Rd.,
Mountain View, Calif.
Trump Sales, Ltd., Box 160, Oliver, B. C., Canada

LIGHTWEIGHT PORTABLE MIST SPRAYERS

Homelite Corp., Riverdale Ave., Port Chester, N. Y.
National Agri. Supply Co., Fort Atkinson, Wis.

Consult Alphabetical Index
on pages 23, 24 and 25

CONVERSION BLOWER UNITS

Air-O-Fan Products Corp., Gilroy, Calif.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Friend Mfg. Co., Gasport, N. Y.
Hardie Mfg. Co., Hudson, Mich.; Portland 9, Ore.

HYDRAULIC POWER SPRAYERS

Aerosprayer Co., Neodesha, Kansas
John Bacon Co., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Buffalo Turbine Agri. Equipment Co., Inc., Go-
wanda, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Champion Sprayer Co., 6519 Heintz Ave., Detroit
11, Mich.
Cizek Manufacturing & Distributing Co., Clutier, Iowa
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Field Force Mfg. Co., Phoenixville, Pa.
Friend Mfg. Co., Gasport, N. Y.
Hale Fire Pump Co., Canastota, Pa.
Hanson Chemical Equipment Co., Beloit, Wis.
Hardie Mfg. Co., Hudson, Mich.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Lofstrand Co., Rockville, Md.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago, Ill.

KNAPSACK AND HAND SPRAYERS

Armstrong Products Corp., Huntington 12, W. Va.
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
E. C. Brown Co., Canandaigua, N. Y.
Campbell-Hausfeld Co., Harrison, Ohio
Champion Sprayer Co., 6519 Heintz Ave., Detroit
11, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Field Force Mfg. Co., Phoenixville, Pa.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Lofstrand Co., Rockville, Md.
The F. E. Myers & Bro. Co., Ashland, Ohio
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
Ill.

SPRAY DUSTERS

Air-O-Fan Products Corp., Gilroy, Calif.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
Cizek Manufacturing & Distributing Co., Clutier, Iowa
Messinger Mfg. Co., Tatamy, Pa.
Niagara Chemical Div., Food Machinery & Chem-
ical Corp., Middleport, N. Y.

WEED SPRAYERS

John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.; San Jose, Calif.
Broyhill Co., Dakota City, Nebr.
Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
N. Y.
E. C. Brown Co., Canandaigua, N. Y.
Cardox Corp., 307 N. Michigan Ave., Chicago 1,
Ill.; San Jose, Calif.
Cizek Manufacturing & Distributing Co., Clutier, Iowa
Continental Belton Co., Belton, Tex.
Decker Mfg. Co., Janesville, Wis.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Engine Parts Mfg. Co., 1360 W. 7th, Cleveland 13,
Ohio
Evans Orchard Supply Co., 301 Delaware St., Kan-
sas City, Mo.
Friend Mfg. Co., Gasport, N. Y.
Hanson Chemical Equipment Co., Beloit, Wisc.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Jari Products Inc., 2938 Pillsbury Ave., Minneapolis
8, Minn.
Lobee Pump & Machinery Co., Gasport, N. Y.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
Ill.

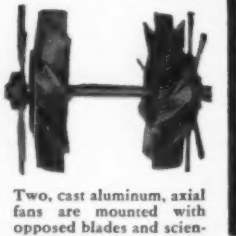
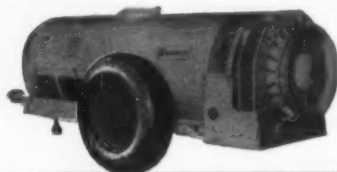
LOW PRESSURE BOOMS & NOZZLES

John Bean Div., Food Machinery & Chem. Corp.,
Lansing, Mich.
Besler Corp., 4053 Harlan St., Oakland 8, Calif.
Dobbins Div., Chamberlain Corp., Waterloo, Iowa
Evans Orchard Supply Co., 301 Delaware St., Kan-
sas City, Mo.
Hanson Chemical Equipment Co., Beloit, Wisc.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
Calif.; Portland 9, Ore.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
11, Ill.
Ken Standard Corp., 1401 N. Fares Ave., Evansville,
Ind.
Lobee Pump & Machinery Co., Gasport, N. Y.
The F. E. Myers & Bro. Co., Ashland, Ohio
Oliver Corp., A. B. Farquhar Div., York, Pa.
Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
Ill.
Spraying Systems Co., Bellwood, Ill.

2-FAN

SUPERIORITY IS UNMISTAKABLE

One look at a Hardie Hurricane® 2-Fan air blast sprayer in action tells you why growers all over America are choosing this superior 2-fan performance. Let the Hardie Dealer show you models to fit every acreage. Write for catalog.



Two, cast aluminum, axial fans are mounted with opposed blades and scientifically spaced on a single shaft, in an exclusive, specially designed fan housing.

Air Blast and High Pressure Sprayers,
Dusters, Irrigation Systems.

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PEST CONTROL EQUIPMENT

• SOLD AND SERVICED EVERYWHERE

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1435 N. W. Northrup St., Portland 9, Oregon
In Canada, C. W. Lewis & Son, Ltd., Grimsby, Ont.
Export Dept., Book Tower, Detroit 26, Michigan

Please send Catalog.

Name _____
Address _____
City _____ State _____

New Boyce Double Spray Gun

The Fan Shaped Spray Covers Better and
Twice as Fast as a Single Nozzle Device



Complete Line of Orchard Spray Accessories
SPRAYER SUPPLY MFG. CO.
Grand Rapids, Mich.

DUSTERS

HAND DUSTERS

John Bacon Co., Gasport, N. Y.
 John Bean Div., Food Machinery & Chemical Corp.,
 Lansing, Mich., and San Jose, Calif.
 E. C. Brown Co., Canandaigua, N. Y.
 Champion Sprayer Co., 6519 Heintz Ave., Detroit
 11, Mich.
 Dobbins Div., Chamberlain Corp., Waterloo, Iowa
 H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
 11, Ill.
 A. M. Leonard & Son, Piqua, Ohio
 Messinger Mfg. Co., Tatamy, Pa.
 Niagara Chemical Div., Food Machinery & Chem-
 ical Corp., Middleport, N. Y.
 Root-Lowell Corp., 445 N. Lake Shore Dr., Chicago,
 Ill.
 Tyson Orchard Service, Flora Dale, Pa.

POWER DUSTERS

Air-O-Fan Products Corp., Gilroy, Calif.
 Besler Corps., 4053 Harlan St., Oakland 8, Calif.
 Buffalo Turbine Agri. Equip. Co., Inc., Gowanda,
 N. Y.

Cizek Manufacturing & Distributing Co., Clutier, Iowa
 Dobbins Div., Chamberlain Corp., Waterloo, Iowa
 Friend Mfg. Co., Gasport, N. Y.
 Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58,
 Calif.; Portland 9, Ore.
 H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago
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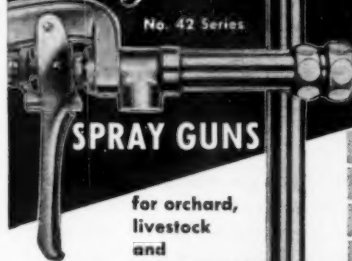
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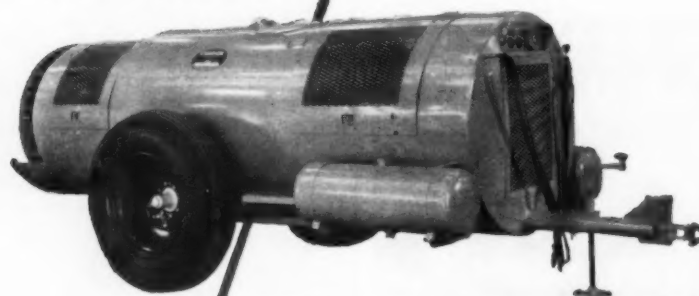
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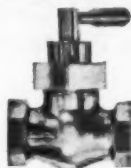
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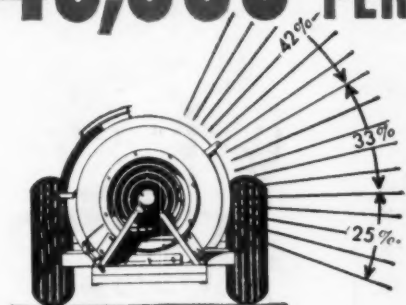
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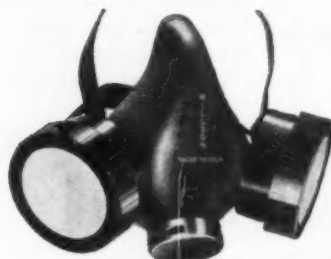
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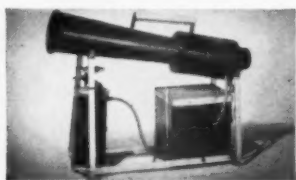
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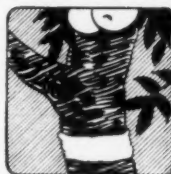
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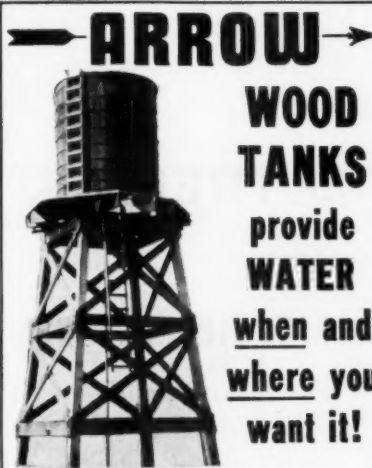
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Hastings Mfg. Co., Hastings, Mich.

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Champion Spark Plug Co., 900 Upton St., Toledo, Ohio
Electric Auto-Lite Co., Champlain & Mulberry, Toledo, Ohio
Firestone Tire & Rubber Co., Akron, Ohio
Fisk-Gillette Tires, 1230 Ave. of Americas, N. Y. 20, N. Y.

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Climolene Co., Canton, Ohio
Firestone Tire & Rubber Co., 1200 Firestone Pkwy., Akron, Ohio
Hygienic Products Co., Canton, Ohio
Oakite Products, Inc., 19 Rector St., N. Y. 6, N. Y.

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General Tire & Rubber Co., Englewood Ave., Akron, Ohio
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Goodyear Tire & Rubber Co., Inc., 1144 E. Market St., Akron, Ohio
Jayco Tire Co., 2236 N. Franklin, Philadelphia 33, Pa.
Kelly-Springfield Tire Co., Cumberland, Md.
Mansfield Tire & Rubber Co., Mansfield, Ohio
Pennsylvania Rubber Co., Jeannette, Pa.
Republic Rubber Div., Lee Rubber & Tire Corp., Albert St., Youngstown, Ohio
Seiberling Rubber Co., Akron 9, Ohio
United States Rubber Co., 1230 Ave. of Americas, N. Y. 20, N. Y.



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*Benton County Nursery Co., Inc., Rogers, Ark.
*Bountiful Ridge Nurseries, Princess Anne, Md.
Boyd Nursery Co., McMinnville, Tenn.
Boyer Nursery, Biglerville, Pa.
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*Buckley Nursery Co., Buckley, Wash.
Buntings' Nurseries, Inc., Selbyville, Del.
*Burgess Seed & Plant Co., Galesburg, Mich.
California Nursery Co., Niles, Calif.
*Colli's Nurseries, Perry, Ohio
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*French Nursery Co., Clyde, Ohio
Grand Island Nurseries, Eustis, Fla.
Greening Nursery Co., Monroe, Mich.
Haley Nursery Co., Smithville, Tenn.
Harrisons' Nurseries, Berlin, Md.
Hillman Nurseries, Lexington, Ky.
*Hill Top Orchards & Nurseries, Hartford, Mich.
*Ilgenfritz Nurseries, Inc., Monroe, Mich.
*Inter-State Nurseries, Hamburg, Iowa
Judson Wholesale Nurseries, Bristol, Ind.
*Kelly Bros. Nurseries, Dansville, N. Y.
*Henry Leuthardt Nursery, Port Chester, N. Y.
*Maloney Bros. Nursery Co., Dansville, N. Y.
*May Nursery Co., Yakima, Wash.
Grant Merrill Orchards, P. O. Box 877, Red Bluff,
Calif.
*J. E. Miller Nurseries, Canandaigua, N. Y.
*Moller's Nurseries, Fairview, Oreg.
Mount Arbor Nurseries, Shenandoah, Iowa
*Neosho Nurseries, Neosho, Mo.
Nurserymen's Exchange, 938 Howard St., San Fran-
cisco 3, Calif.
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Peach Ridge Farms, Clemson, S. C.
*C. H. Prudhomme & Sons, Ltd., Beamsville, Ont.,
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*W. N. Scarff's Sons, New Carlisle, Ohio
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Sims Nurseries, Hannibal 2, Mo.
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Gold Chestnut Nursery, Cowen, W. Va.
Haley Nursery Co., Smithville, Tenn.
Harrisons' Nurseries, Berlin, Md.
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Kelly Bros. Nurseries, Dansville, N. Y.
Leeland Farms, Leesburg, Ga.
Michigan Nut Nursery, Union City, Mich.
J. E. Miller Nurseries, Canandaigua, N. Y.
Neosho Nurseries Co., Neosho, Mo.
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Gilbert L. Smith & Sons Nursery, Millerton, N. Y.
Southern Nursery Co., Inc., Winchester, Tenn.
Spring Hill Nurseries, Tipp City, Ohio
Stark Bro's Nurseries & Orchards, Louisiana, Mo.
Stern's Nurseries, Geneva, N. Y.
Tennessee Nursery Co., Cleveland, Tenn.
Texas Pecan Nursery, Inc., Tyler, Tex.
Tualatin Valley Nurseries, Sherwood, Oreg.
Virginia Tree Farm, Woodlawn, Va.
Waynesboro Nurseries, Waynesboro, Va.
Welch Nurseries, Shenandoah, Iowa

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nan peach)
Felix Gillet Nursery, Nevada City, Calif. (Nut tree)
Herbst Bros., Seedsmen, Inc., 678 Broadway, New
York 12, N. Y.

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Kelly Bros. Nurseries, Inc., Dansville, N. Y.
Rich & Sons Nursery, Hillsboro, Oreg.
Tennessee Nursery Co., Cleveland, Tenn.
Virginia Tree Farm, Woodlawn, Va.
Waynesboro Nurseries, Waynesboro, Va.
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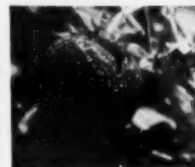
Bountiful Ridge Nurseries, Princess Anne, Md.
Buckley Nursery Co., Buckley, Wash.
California Nursery Co., Niles, Calif.
Greening Nursery Co., Monroe, Mich. (Hibernal,
Va. Crab)
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Kelly Bros. Nurseries, Inc., Dansville, N. Y.
Linn County Nurseries, Center Point, Iowa (Hiber-
nal)
May Nursery Co., Yakima, Wash.
Moller's Nursery, Fairview, Ore.
Mount Arbor Nurseries, Shenandoah, Iowa
Rich & Sons, Hillsboro, Ore. (Hibernal, Haralson)
Spring Hill Nurseries, Tipp City, Ohio
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Mo. (Hibernal, Va. Crab, Clark Dwarf)
Striblings Nurseries, Merced, Calif. (Nematode re-
sistant)
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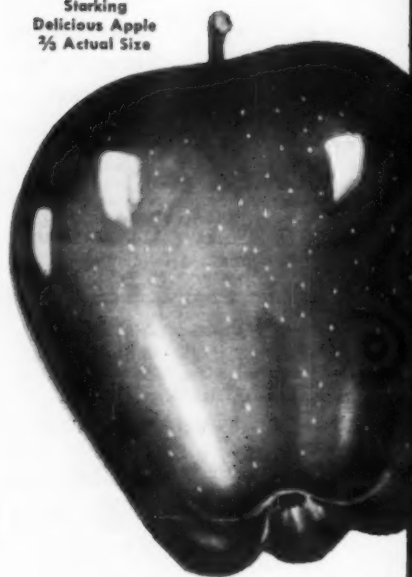
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The Berry Patch, Honeoye Falls, N. Y.
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Bountiful Ridge Nurseries, Princess Anne, Md.
Boyd Nursery Co., McMinnville, Tenn.
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Buntings' Nurseries, Inc., Selbyville, Del.
Burgess Seed & Plant Co., Galesburg, Mich.
California Nursery Co., Niles, Calif.
Call's Nurseries, Perry, Ohio
Carlton Nursery Co., Forest Grove, Ore.
Champion Nurseries, Perry, Ohio
Chapman Berry Farm, E. Leroy, Mich.
Columbia & Okanogan Nursery, Wenatchee, Wash.
Conger's Nurseries, Smithville, Tenn.
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East's Nursery, Amity, Ark.
Samuel J. Ellis & Son, Angola, N. Y.
Embling's Nursery, Stevensville, Mich.
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Fitzgerald's Nurseries, Stephenville, Tex.
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Harrisons' Nurseries, Berlin, Md.
Hillenmeyer Nurseries, Lexington, Ky.
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Kasuga's Strawberry Nursery, Sandy, Utah
Keith Plant Nursery, New Troy, Mich.
R. M. Kellogg Co., Three Rivers, Mich.
Kelly Bros. Nurseries, Danville, N. Y.
Krieger Nurseries, Inc., Middlebury, Ind.
Krieger's Wholesale Nursery, Bridgman, Mich.
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Maloney Bros. Nursery Co., Danville, N. Y.
May Nursery Co., Yakima, Wash.
McNeal Berry Nursery, Hamilton, Mont.
J. E. Miller Nurseries, Canandaigua, N. Y.
Judson Wholesale Nurseries, Bristol, Ind.
Moller's Nurseries, Fairview, Ore.
Monroe Farms, Browns Mills, N. J.
Neosho Nurseries, Neosho, Mo.
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Tualatin Valley Nurseries, Sherwood, Ore.
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Consult Alphabetical Index
on pages 23, 24 and 25

SEEDS, CERTIFIED POTATO

Canadian Dept. of Trade and Commerce, Ottawa, Ont., Canada
Clark Seed Farms, Richford, N. Y.
Maine Development Assn., Augusta, Maine
Maine Potato Growers, Presque Isle, Maine
Minnesota State Dept. of Agr., Seed Potato Certification, St. Paul, Minn.
Nebraska Certified Potato Growers, Alliance, Nebr.
N. Y. Cooperative Seed Potato Assn., Inc., Georgetown, N. Y.
North Dakota State Seed Dept., College Station, Fargo, N. Dak.
South Dakota Potato Growers Assn., Watertown, S. Dak.

SEED CLEANERS

A. T. Farrell Co., Saginaw, Mich.

SEEDS, COATED

Associated Seed Growers, Inc., 205 Church St., New Haven 2, Conn.
Filcoat Coated Seeds, 6400 E. Washington Blvd., Los Angeles 22, Calif.
Germain's, Inc., 6400 E. Washington Blvd., Los Angeles 22, Calif.

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K. W. Alger, Crystal City, Tex.
Bullock's Plant Farm, White Springs, Fla.
Butt's Plant Farms, Thorndale, Tex.
The Conner Co., Augusta, Ark.
Decatur Seed Shop & Greenhouse, Decatur, Mich.
W. G. Farrier Plant Co., Omaha, Tex.
Fieldhouse Fruit Farm, Dodgeville, Wisc.
C. G. Faulks Plant Farms, Amite, La.
French Nursery Co., Clyde, Ohio
P. D. Fulwood, Tifton, Ga.
Wm. C. Geraty & Co., Yonges Island, S. C.
W. Grossmann & Son, Petersburg, Va.
Irrigated Plant Farms, Thorndale, Tex.
Keller Seed Store, Shawnee, Okla.
F. Lagomarsino & Sons, Sacramento, Calif.
L. P. Legg, Ashburn, Ga.
The J. Chas. McCullough Seed Co., P. O. Box 146, Cincinnati 1, Ohio

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Geo. R. Pedrick & Sons, Pedricktown, N. J.
Piedmont Plant Co., Albany, Ga.
Paul F. Rochelle, Morristown, N. J.
Fred H. Schutter, Pleasant Valley, Iowa
Service Plant Co., Omega, Ga.
Texas Plant Farms, Jacksonville, Texas
Erland D. Troup, Jordan Station, Ontario, Canada
Van Antwerp Seed Co., Mobile, Ala.
Vaughan's Seed Co., 601 W. Jackson Blvd., Chicago 6, Ill.
Vickers Plant Farms, Hattiesburg, Miss.
Vickery Plant Co., Ennis, Tex.
Artie Woodard, Dongola, Ill.
Job P. Wyatt & Sons Co., Raleigh, N. C.

POLLINATION

BEE SUPPLIES

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Dadant & Sons, Hamilton, Ill.
A. H. Hale Co., Hapeville, Ga.
Hubbard Apiaries, Onsted, Mich.
Walter T. Kelley Co., Clarkston, Ky.
Fred W. Muth Co., 229 Walnut, Cincinnati, Ohio
A. I. Root Co., Medina, Ohio

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Flowers Bee Co., Jesup, Ga.
Highland Apiaries, West Elton, Ohio
Jackson Apiaries, Funston, Ga.
The Walter T. Kelley Co., Clarkston, Ky.
Larson & Campbell, Colusa, Calif.
Rapidus Apiaries, Winnfield, La.
A. I. Root Co., Medina, Ohio
Stover Apiaries, Mayhew, Miss.
V. R. Thagard Co., Greenville, Ala.
Valley Bee & Honey Co., Westlaco, Tex.
Leo C. Wenner, Hamilton City, Calif.
York Bee Co., Jesup, Ga.

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Taylor Instrument Co., Ames St., Rochester 1, N. Y.

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Robinson Blower & Engineering Corp., San Martin, Calif.
Scheu Products Co., Upland, Calif.

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See Storages

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Frostmaster Wind Machine Co., Laverne, Calif.
National Frost Protection Co., Inc., Glendale, Calif.

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Horto Corp., Salem, Massachusetts
Ickes-Braun Greenhouse Mfg. Co., 2340 Wabansia Ave., Chicago 47, Ill.
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Lord & Burnham, Irvington, N. Y.
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Herman Nelson Div., American Air Filter Co., Inc., Moline, Ill.
L. W. White Co., Onalaska, Wisc.

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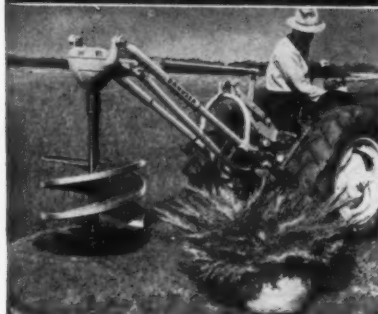
POWER (Tree Hole)

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Kansas City, Mo.
Ferguson Div., Racine, Wis.
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Sterling Foundry Co., Sterling, Ill.
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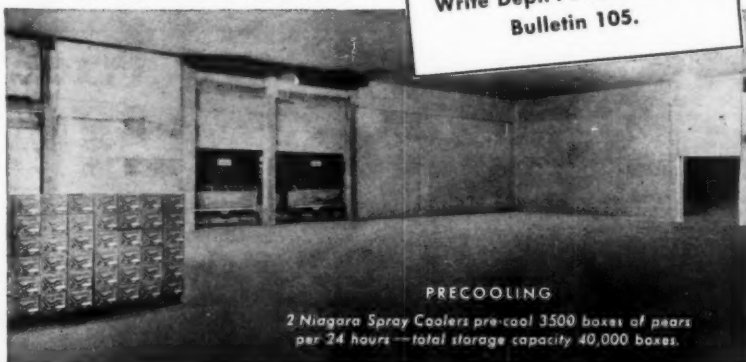
American Steel & Wire Div., Cleveland 13, Ohio
Columet Steel Div., Borg-Warner Corp., 310 S.
Michigan Ave., Chicago 4, Ill.
Kitselman Bros., Muncie, Ind.
Republic Steel Corp., Cleveland 1, Ohio
Wood Products Co., Toledo 12, Ohio

WIRE

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Michigan Ave., Chicago 4, Ill.
Continental Steel Corp., Kokomo, Ind.
Interlocking Fence Co., Morton, Ill.
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 Iig Electric Ventilating Co., 2850 N. Pulaski Road, Chicago, Ill.
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 Northern Blower Co., 6500 Barberton, Cleveland 2, Ohio
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 Celotex Corp., 120 S. LaSalle, Chicago, Ill.
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GAS ANALYSIS APPARATUS

W. B. Connor Eng. Corp., Danbury, Conn.

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See PACKING HOUSE EQUIPMENT

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 Jamison Cold Storage Door Co., Hagerstown, Md.
 Nat'l Refrigerator Co., 827 Koeln, St. Louis, Mo.
 Truscon Steel Div., Republic Steel Corp., Youngstown, Ohio

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 Frick Company, Waynesboro, Pa.
 General Electric Co., Bloomfield, N. J.
 Iig Electric Vent. Co., 2850 N. Pulaski, Chicago 41, Ill.
 Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
 Worthington Corp., Harrison, N. J.

JULY, 1956

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 American Sisalkraft Co., Attleboro, Mass.
 Barrett Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y., N. Y.
 Bird & Son, E. Walpole, Mass.
 The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio
 The Celotex Corp., 120 S. LaSalle, Chicago 3, Ill.
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 C. T. Hogan & Co., Inc., 385 Madison Ave., N. Y. 17, N. Y.
 Homasote Co., Trenton, N. J.
 Insulite Div. of Minn. & Ontario Paper Co., Baker Arcade Bldg., Minneapolis 2, Minn.
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 Kimberly-Clark Corp., Neenah, Wis.
 Masonite Corp., 111 W. Washington, Chicago 2, Ill.
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 National Cork Company, Englewood, N. J.
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 Reynolds Metals Co., 200 S. 9th, Louisville 1, Ky.
 Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.
 Serviced Products Corp., 6053 W. 65th St., Chicago 38, Ill.
 United Cork Companies, W. Kearny, N. J.
 United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.
 Whittaker, Clark & Daniels, Inc., 260 W. Broadway, N. Y. 13, N. Y.
 Wood Conversion Co., 1st National Bank Bldg., St. Paul, Minn.
 Zonalite Co., 135 S. LaSalle St., Chicago 3, Ill.

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 Niagara Blower Co., Dept. V, 405 Lexington Ave., N. Y., N. Y.
 Sherer-Gillette Co., Marshall, Mich.

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 Carrier Corp., 300 S. Geddes, Syracuse, N. Y.
 Curtis Mfg. Co., 1905 Kienlen St., St. Louis 20, Mo.
 Dicer Div. General Machine & Mfg. Co., Berwick, Pa.
 Frick Company, Waynesboro, Pa.
 Frigidaire Div., G. M. Corp., Dayton 1, Ohio
 General Electric Co., 1285 Boston Ave., Bridgeport, Conn.
 Harris Ice Machine Works, 61 S. E. Yamhill St., Portland, Ore.

Howe Ice Machine Co., 2825 W. Montrose Ave., Chicago, Ill.
 International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
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 Niagara Blower Co., Dept. V, 405 Lexington Ave., N. Y., N. Y.
 Norge Div. Borg-Warner Corp., Merchandise Mart, Chicago, Ill.
 Servel, Inc., Evansville, Ind.
 Victor Products Corp., Hagerstown, Md.
 Westinghouse Electric & Mfg. Co., E. Springfield, Mass.
 Worthington Corp., Harrison, N. J.
 Yates-American Machine Co., General Refrigeration Div., Beloit, Wis.

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 Reynolds Metals Co., 200 S. 9th, Louisville 1, Ky.

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 Certain-Teed Products Corp., Ardmore, Pa.
 Flintkote Co., Inc., 30 Rockefeller Plaza, N. Y., N. Y.
 A. C. Horn Co., Inc., Long Island City, N. Y.
 Johns-Manville Corp., 22 E. 40th St., N. Y., N. Y.
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 Paraflex Co., Inc., 4th & Brannan, San Francisco, Calif.
 Red Cedar Shingle Bureau, 5510 White Bldg., Seattle, Wash.
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 Truscon Steel Div., Republic Steel Corp., Youngstown, Ohio

STEEL

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 Carnegie-Illinois Steel Corp., Carnegie Bldg., Pittsburgh 30, Pa.
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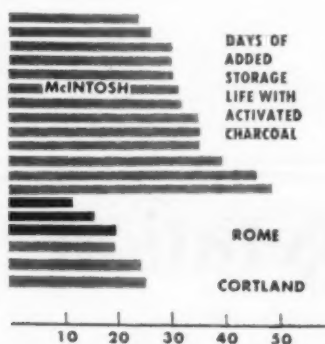


Chart shows days of added storage life in typical commercial tests conducted by Dr. R. M. Smock, Cornell University.

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General Electric Co., 1 River Road, Schenectady, N. Y.
Powers Regulator Co., Skokie, Ill.
Precision Thermometer & Instrument Co., 1433 Brandywine, Philadelphia 30, Pa.
Taylor Instrument Co., Ames & West Ave., Rochester 1, N. Y.

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Ilg Electric Ventilating Co., 2873 N. Pulaski, Chicago 41, Ill.
James Mfg. Co., Ft. Atkinson, Wis.
Louden Machinery Co., Fairfield, Iowa

**Consult Alphabetical Index
on pages 23, 24 and 25**

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Barrett Div. Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Bird & Son, Inc., E. Walpole, Mass.
The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio
Celotex Corp., 120 So. LaSalle, Chicago, Ill.
Certain-feed Products Corp., Ardmore, Pa.
Flintkote Co., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y.
Pittsburgh Plate Glass Co., Columbia-Southern Chemical Corp., 420 Fort Duquesne Blvd., Pittsburgh 13, Pa.
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Planetary Chemical Co., Creve Coeur, Mo.
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.
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OR ALL WINTER LONG



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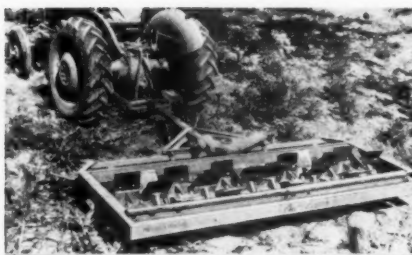
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See PRUNING AND GRAFTING

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S. L. Allen & Co., Inc., 5th & Glenwood Ave., Philadelphia 40, Pa.
Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.
Burch Plow Works, Inc., Evansville, Ind.
J. I. Case Co., 700 State St., Racine, Wis.
John Deere, Moline, Ill.
Ferguson Div., Racine, Wis.
International Harvester Co., 180 No. Michigan Ave., Chicago 1, Ill.
Massey-Harris Div., Racine, Wis.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.

FERTILIZER DISTRIBUTORS

S. L. Allen & Co., Inc., 5th & Glenwood Ave., Philadelphia 40, Pa.
Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Cyclone Seeder Co., Urbana, Ind.
Ezee Flow Corp., 10 S. LaSalle St., Chicago, Ill.
Frick Company, Waynesboro, Pa.
International Harvester Co., 180 No. Michigan, Chicago 1, Ill.
O. W. Kramer Co., 1120 Emerson Ave. N., Minneapolis 11, Minn.
Massey-Harris Div., Racine, Wis.
Masters Planter Co., Benton Harbor, Mich.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
New Idea Farm Equipment Co., Coldwater, Ohio
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Skibbee Mfg. Co., Sodus, Mich.

Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.
Trump Sales, Ltd., Box 160, Oliver, B. C., Canada
C. J. Turley Co., Bloomington, Ill.
Wade' Rain, 1919 N. W. Thurman, Portland 9, Ore.

FERTILIZER INJECTORS

Dragon Engineering Co., 627 McClary, Oakland 2, Calif.

HOES, GRAPE

Howard C. Green, Portland, N. Y.
Michigan Orchard Supply Co., South Haven, Mich.
Perdue & Orton Co., North East, Pa.

HOE, ROTARY (TREE & SMALL FRUITS)

Friday Tractor Co., Hartford, Mich.
Harrowmatic Corp., 235 E. 34th St., New York, N. Y.
Rose Mfg. Co., 1714 S. First St., Yakima, Wash.
Trump Ltd., Oroville, Wash., and Oliver, B. C., Canada

MOWERS

SICKLE BAR—Walking Type

Ariens Co., Brillion, Wis.
Bolens Products, Div. of Food Mch. & Chemical Corp., Port Washington, Wis.
Bready Tractor & Implement Co., Solon, Ohio
George Tractor Div., Community Industries Assn., Sullivan, Ill.
Gravely Tractors, Inc., Dunbar, W. Va.
Hoffco, Inc., Richmond, Ind.
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.
Merry Mfg. Co., Edmonds, Wash.
National Mower Co., 839 Cromwell Ave., St. Paul, Minn.
Roths Industries, Inc., Alma, Michigan
Simplicity Mfg. Co., 2114 Spring St., Port Washington, Wis.

SICKLE BAR—Front Mounted, Tractor
Mountain Empire Mfg. Co., Murray, Utah

SICKLE BAR—Side Mounted, Tractor

Allis-Chalmers Mfg. Co., Tractor Div., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Ferguson Div., Racine, Wis.
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.
Massey-Harris Div., Racine, Wis.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
New Idea Farm Equipment Co., Coldwater, Ohio
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Roths Industries, Inc., Alma, Michigan
Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.



More Power for TOUGH JOBS!

Gravely Rotary Mower attachment makes the toughest mowing jobs *easy*. Lawn or weeds, cut 30-inch swath fast and clean with suction-tip, file sharpened knives.

Gravely does jobs other tractors won't . . . because the 5-HP Gravely has the *extra* power that makes tough jobs *easy*.

Let us show you the advantages of the Gravely's *extra* power . . . all-gear drive . . . power reverse . . . your choice of 21 tools to do every mowing, gardening or upkeep job . . . *faster, better, easier!*

EASY
PAY
PLAN



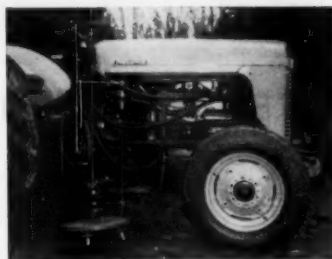
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Dunbar, W. Va.

THE FASTEST ROTARY HOE AND CULTIVATOR MADE



With the Rotary Hoe you are able to cultivate your grapes, berries, trees and other fruit, in the row several times a year with the same effectiveness as you have been cultivating between the rows with your harrow or rotovator.

This Rotary Hoe attaches to our regular Thompson Hydraulic Hoe in the place of the blade shank. It is driven from the tractor P.T.O. The Rotary Hoe solves your problem of working your grapes under the wire and eliminates all hand hoeing. It works equally well in berries, currants, and trees up to 6 or 8 years old.

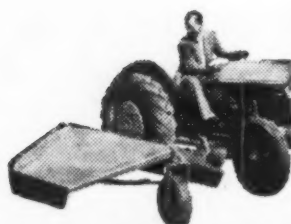
The Thompson Hydraulic Hoe is simple to attach and easy to operate. Ruggedly built, hydraulic operation, ideal for the fruit grower.

Write for descriptive folder giving make of your tractor

Mfg. by **PERDUE & ORTON CO.**

105 Clay Street

North East, Pa.



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TRUMP

**SIDE MOUNT
ROTARY MOWER**

and

PRUNING MULCHER

Attaches to your

TRUMP
TREE TILLER



This newest addition to the TRUMP line of specialized orchard equipment mows a full 60-inch swath entirely to the right of the tractor. It will mow or mulch prunings either circling the tree or working straight down the row. Fully side-mounting protects both the tractor and the operator from flying debris.

One machine for the essential orchard operations of tree tilling, mowing and mulching prunings. Fits all popular makes of orchard tractors.

Makers of the

Giraffe

for picking, thinning and pruning

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LTD.

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Warehouses At

OROVILLE, WASH.
SODUS, MICH.
U. S. A.

TRACTORS and TILLAGE

SICKLE BAR—Trailer

Allis-Chalmers Mfg. Co., Tractor Div., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
John Deere, Moline, Ill.
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.
Massey-Harris Div., Racine, Wis.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
New Idea Farm Equipment Co., Coldwater, Ohio
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

SICKLE BAR, TRAILER—Power Take-Off Driven

J. I. Case Co., 700 State St., Racine, Wis.
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.
Massey-Harris Div., Racine, Wis.
New Idea Farm Equipment Co., Coldwater, Ohio

SICKLE BAR—Rear Mounted, Tractor

Allis-Chalmers Mfg. Co., Tractor Div., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Ferguson Div., Racine, Wis.
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
Oliver Corp., 400 W. Madison St., Chicago, Ill.

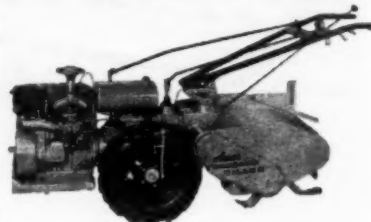
MULCHERS

Friday Tractor Co., Hartford, Mich.
Harromatic Corp., 235 E. 34th St., N. Y. 16, N. Y.

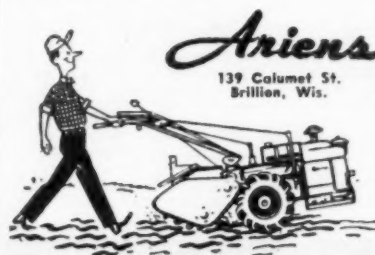
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"My cover crop program would be impossible without a

ROSE Rotary TreHoe"



Jess Wyant,
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You can cultivate up to 150 trees an hour from your tractor seat.

TAKE THE WORK OUT OF TREE CULTIVATION

The modern TreHoe quickly takes the work and high cost out of tree cultivation. The unit is simple to attach to most wheel tractors. The cultivating head, powered by the tractor P.T.O., hoes a clear path around the tree trunk.

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J. I. Case Co., 700 State St., Racine, Wis.
Cockshutt Farm Equip., Inc., Bellevue, Ohio
John Deere, Moline, Ill.
Edwards Equipment Co., 4312 Main St., Yakima, Wash.
Farmers Tool & Equipment Co., 8541 Amelia St., Oakland, Calif.
Ferguson Div., Racine, Wis.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Krause Plow Corp., Hutchinson, Kans.
Lift Tools, Inc., Eau Claire, Mich.
Massey-Harris Div., Racine, Wis.; Batavia, N. Y.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Towner Mfg. Co., Santa Ana, Calif.
Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.

ROTOTILLER SPRING GUARD

Roto-Shoe, Indiana, Pa.

STONEPICKERS

Bergman Mfg. Co., Pigeon, Mich.
Bridgeport Implement Works, Inc., Stratford, Conn.
Field Force Mfg. Co., Inc., Phoenixville, Pa.
Limestone Machine Co., Limestone, Me.
Min-Kota Mfg. Co., Moorhead, Minn.
Self Mfg. Co., Twin Falls, Idaho
Steinman Mfg. Co., Carrington, N. D.



TILLERS

ROTARY GARDEN

Ariens Co., Brillion, Wis.
Bolens Products Div., Food Mach. & Chemical Corp., Port Washington, Wis.
Choremaster Div., Weber Engineered Products, Inc., 812 Evans St., Cincinnati 4, Ohio
Cultiller Co., New Brunswick, N. J.
Eshelman Co., 119 Light St., Baltimore 2, Md.
Gravely Tractor Inc., Dunbar, W. Va.
Howard Rotavator Company, Inc., Arlington Heights, Ill.
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.
Merry Mfg. Co., Edmonds, Wash.
Quick Mfg., Inc., 3240 E. Main St., Springfield, Ohio
Roto Hoe & Sprayer Co., Newbury, Ohio
Simplicity Mfg. Co., 2114 Spring St., Port Washington, Wis.

ROTARY SELF-PROPELLED

Ariens Co., Brillion, Wis.
Bolens Products Div., Food Mach. & Chemical Corp., Port Washington, Wis.
Frazer Equipment Co., Auburn, Ind.
Howard Rotavator Co., Inc., Arlington Heights, Ill.
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.
Roths Industries, Inc., Alma, Michigan
Rototiller, Inc., 102nd St. & 9th Ave., Troy, N. Y.
Seaman Andwall Corp., 305 N. 25th St., Milwaukee, Wis.
Windolph Tractor Co., 826 S. W. 21st Ave., Portland 5, Oreg.

ROTARY TRACTOR POWER TAKE-OFF

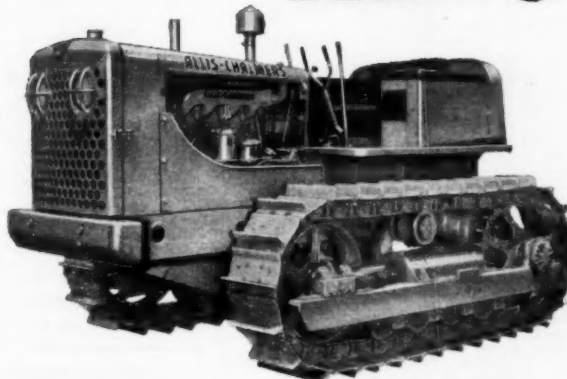
Ariens Co., Brillion, Wis.
Bolens Products Div., Food Mach. & Chemical Corp., Port Washington, Wis.
Chickering Vegetable Equip. Co., Belding, Mich.
Frazer Farm Equipment Corp., Auburn, Ind.
Great Lakes Tractor Co., Rock Creek, Ohio
Howard Rotavator Co., Inc., Arlington Heights, Ill.
Seaman Andwall Corp., 305 N. 25th St., Milwaukee, Wis.

JULY, 1956

51

the new HD-6

New HD-6
Weight — 12,400 lb
Net engine hp — 57



Engineering in Action on Tracks

Never before has six tons of crawler tractor had such a wealth of new engineering features, bringing higher standards of power, strength, balance and operating convenience to orchard work. The new Allis-Chalmers HD-6 has all-around performance unequalled in its power class.

new Allis-Chalmers 344-cubic inch displacement diesel engine with fuel-saving follow-through combustion.

new long-wearing ceramic-type master clutch.

new 24-volt direct electric starting.

new operator position and comfort — up out of the dirt, with combination foam-rubber and spring cushions.

new gear-shifting smoothness.

plus 1,000-hour lubrication intervals for track assemblies, rubber engine mountings to cushion vibration, all-steel box-A main frame, high ground clearance with double-reduction final drive, and long-wearing, through-hardened True-Dimension tracks.

ALLIS-CHALMERS, FARM EQUIPMENT DIVISION, MILWAUKEE 1, WISCONSIN



ALLIS-CHALMERS



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TRACTION DEVICES

Arps Corp., New Holstein, Wis.
Bombardier Snowmobile Ltd., Valcourt, Que., Canada
Ferguson Division, Racine, Wisc.
National Machine Co., 227 6th Ave. E., Des Moines, Ia.

TRACTOR CHAINS

Columbus-McKinnon Chain Co., Tonawanda, N. Y.
Horner Tractor Sales, Geneva, Ohio

TRACTORS, DIESEL

Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
John Deere, Moline, Ill.
International Harvester Co., 180 N. Michigan, Chicago 1, Ill.
Massey-Harris Div., Racine, Wis.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
R. H. Sheppard Co., Hanover, Pa.
Tractor & Implement Div., Ford Motor Co., Birmingham, Michigan

TRACTORS—GARDEN

WALKING

S. L. Allen & Co., Inc., 5th & Glenwood Aves., Philadelphia 40, Pa.
Bolens Products Div., Food Machinery & Chemical Corp., Port Washington, Wis.
Bready Tractor & Implement Co., Salom, Ohio
Choremaster Div., Weber Engineered Products, Inc., 800 Evans St., Cincinnati 4, Ohio
Engineering Products Co., Waukesha, Wis.
Eshelman Co., 119 Light St., Baltimore Md.
Garden-All Tractor, Inc., Liberty, Ind.
Gravely Tractors Inc., Dunbar, W. Va.
Great Lakes Tractor Co., Rock Creek, Ohio
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.
Ottawa Mfg. Co., Ottawa, Kans.
Page Dairy & Farm Equipment Co., 1910 So. 81st St., Milwaukee, Wisc.
Pond Garden Tractor Co., Ravenna, Ohio
Quick Mfg. Inc., Springfield, Ohio
Red-E Tractor Co., Richfield, Wis.
Roths Industries, Inc., Alma, Mich.
Simplicity Mfg. Co., Port Washington, Wis.
Tiger Tractor Co., Keyser, W. Va.
Universal Mfg. Co., 324 W. 19th St., Indianapolis, Ind.
Windolph Tractor Co., 828 S. 21st Ave., Portland 5, Ore.

RIDING

S. L. Allen & Co., Inc., 5th & Glenwood Aves., Philadelphia 40, Pa.
Ariens Co., Brillant, Wis.
Bolens Products Div., Food Machinery & Chemical Corp., Port Washington, Wis.
Engineering Products Co., Waukesha, Wis.
Garden-All Tractor, Inc., Liberty, Ind.
Gravely Tractors Inc., Dunbar, W. Va.
National Farm Equip. Co., Inc., 142 Greene St., N. Y. 12, N. Y.
Ottawa Mfg. Co., Ottawa, Kans.
Pond Garden Tractor Co., Ravenna, Ohio
Power King Tractor Co., 9246 W. Appleton Ave., Milwaukee, Wis.
Red-E Tractor Co., Richfield, Wis.
Roths Industries, Inc., Alma, Mich.
Tiger Tractor Co., Keyser, W. Va.
Windolph Tractor Co., 828 S. 21st, Portland, Ore.

TRACTOR UNDERDRIVE

Tractor Specialties, 1450 S. 1st St., San Jose, Calif.

TRACTORS—ORCHARD

WHEEL
Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
John Deere, Moline, Ill.
Ferguson Div., Racine, Wis.
Friday Tractor Co., Hartford, Mich.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Love Tractor Inc., Eau Claire, Mich.
Massey-Harris Div., Racine, Wis.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Tractor and Implement Div., Ford Motor Co., Birmingham, Mich.

CRAWLER

Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.
American Tractor Corp., Churubusco, Ind.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
John Deere, Moline, Ill.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Windolph Tractor Co., 828 S. 21st Ave., Portland 5, Ore.

TRACTOR HOES

Howard C. Green, Portland, N. Y.
Michigan Orchard Supply Co., South Haven, Mich.

TRANSPLANTERS (CABBAGE, CELERY & TOMATO)

John Deere, Moline, Ill.
Eico Products Co., West Allis, Wis.
D. R. Ellis Mfg. Co., Verona, Wis.
Griffin Tractor Co., Branford, Fla.
N. G. Hershey, Manheim, Pa.
Jackson Mfg. Co., Lebanon, Tenn.
Massey-Harris Div., Racine, Wisc.
Mechanical Transplanter Co., 1150 S. Central Ave., Holland, Mich.
Paul S. Neal & Son, Lebanon, Tenn.
New Idea Farm Equipment Co., Coldwater, Ohio
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Powell Mfg. Co., Inc., Wilson, N. C.
Snyder Tank Corp., Lake Shore Road, Buffalo, N. Y.

TRANSPLANTERS—HAND

Lynchburg Planter Mfg. Co., Lynchburg, Va.

TRANSPLANT CONTAINERS

Allen Co., Pittstown, N. J.
Geo. J. Ball, Inc., W. Chicago, Ill.
Bird & Son Inc., East Walpole, Mass.
Reynolds Co., Lebanon, Indiana

TREE MOVING EQUIPMENT

Hercules Mfg. Co., Centerville, Iowa

TREE PULLERS

Kirstin Co., Escanaba, Mich.
Man-Power-Pull Winches, Gloucester, Va.
Re-Bo Mfg. Co., 331 Madison Ave., New York 17, N. Y.

WAGONS AND CARTS, ORCHARD

Cushman Motor Works, Inc., 21st & Y Sts., Lincoln, Nebr.
Electric Wheel Co., Quincy, Ill.
Perfection Steel Body Co., Gallon, Ohio
Thomas Truck & Caster Co., Keokuk, Iowa
Tractor & Implement Div., Ford Motor Co., Birmingham, Michigan

WEED HOGS

Babcock Mfg. Co., Leonardsville, N. Y.
Trump Sales Ltd., Box 140, Oliver, B. C., Canada



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WISCONSIN-POWERED EQUIPMENT



Wisconsin-powered Myers "Silver Cloud" Sprayer, made by The F. E. Myers & Bro. Co., Ashland, Ohio.



Wisconsin-powered Tractor-Trailer Farquhar "Iron Age" Orchard Sprayer, made by A. B. Farquhar Co., York, Pa.



Cardox-Hurst Aqua-Jet sprayer, powered by 4-cylinder, V-type Wisconsin Engine. Made by Hurst Industries, Inc., San Jose, Calif.



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Wisconsin Engines are specified as "original equipment" by leading manufacturers of power sprayers, orchard tractors, irrigation pumping units, self-propelled platform "lifts", nut-gathering machines and many other kinds of equipment . . . because these fine engines are noted for unexcelled dependability, trouble-free cooling, economical operation, and low-cost maintenance.

And because Wisconsin Heavy-Duty Air-Cooled Engines are available in a complete power range from 3 to 36 hp., the equipment builder can select the ideal size engine to fit the job and the machine with full power advantage.

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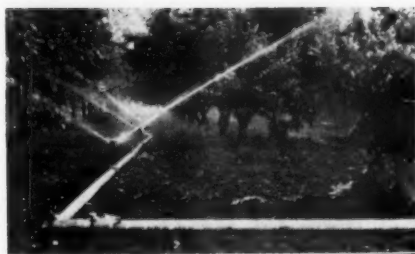
You can't do better than to specify "Wisconsin Power" for your equipment . . . for a more fruitful orchard.



WISCONSIN MOTOR CORPORATION

World's Largest Builders of Heavy-Duty Air-Cooled Engines

MILWAUKEE 46, WISCONSIN



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Atlas Supply Div., Jones & Laughlin Supply Co., Muskogee, Okla.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.
Champion Corp., Hammond, Ind.
Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.
Dragon Engineering Co., 427 McClary, Oakland, Calif.
Farmland Irrigation Co., Inc., 200 N. Columbia Blvd., Portland 17, Oreg.
Florida Division, Food Machinery & Chem. Corp., Lakeland, Fla.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Oreg.
Irrigation Equip. Co., Inc., Eugene, Ore.
McDowell Mfg. Co., 301 Stanton Ave., Pittsburgh 9, Pa.
Michigan Orchard Supply Co., South Haven, Mich.
Moulton Irrigation Co., Withrow, Minn.
Pierce Irrigation, 245 Blair Blvd., P.O. Box 528, Eugene, Oreg.
Race & Race, Inc., Winter Haven, Fla.
Rainway Irrigation Co., 2402 E. Trent, Spokane, Wash.
Shur-Rane, Dept. of John Bean Western Div., Food Machinery & Chemical Corp., San Jose, Calif.
Wade Rain, 1919 N. W. Thurman, Portland 9, Ore.

DITCHERS, FURROWERS, SCRAPERS, LEVELERS

Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
Chaffin Ditcher Co., Boise, Idaho
Donner Machine Co., Fulton, Mo.
John Deere, Moline, Ill.
Eversman Mfg. Co., 1145 5th Ave., Denver, Colo.
Gledhill Road Mch. Co., Galion, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Marvin Landplane Co., P.O. Box 209, Woodland, Calif.
Owensboro Ditcher & Grader Co., Owensboro, Ky.
Towner Mfg. Co., Santa Ana, Calif.

ENGINE METER

John W. Hobbs Corp., Yale Blvd. & Ash, Springfield, Ill.

ENGINES

Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wis.
Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
Chrysler Corp., Indus. Eng. Div., 12200 E. Jefferson, Detroit, Mich.
Clinton Machine Co., Maquoketa, Iowa
Continental Motors Corp., Muskegon, Mich.
John Deere, Moline, Ill.
Fairbanks, Morse & Co., 400 S. Michigan Ave., Chicago 5, Ill.
Field Force Mfg. Co., Phoenixville, Pa.
Ford Motor Co., Dearborn, Mich.
Frick Company, Waynesboro, Pa.
Friend Mfg. Co., Gasport, N. Y.
GM, Detroit Diesel Div., Detroit, Mich.
Hardie Mfg. Co., Hudson, Mich.; Los Angeles 58, Calif.; Portland 9, Ore.
Hercules Motors Corp., 200 11th St. S.E., Canton, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Kohler Co., Kohler, Wis.
Leuson Div., Hart-Carter Co., New Holstein, Wis.
Motor Products Co., Grafton, Wis.
The F. E. Myers & Bro. Co., Ashland, Ohio
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Oliver Corp., 400 W. Madison St., Chicago 4, Ill.
D. W. Olan & Sons, Inc., University Ave. S.E. at 28th, Minneapolis, Minn.
United States Motors Corp., Oshkosh, Wis.
Waukesha Motor Co., Waukesha, Wis.
Wisconsin Motor Corp., 1910 S. 53rd, Milwaukee 4, Wis.

FERTILIZER INJECTORS

Dragon Engineering Co., 427 McClary, Oakland 2, Calif.
Michigan Orchard Supply Co., South Haven, Mich.
Nutritional Concentrates, Inc., New Lexington, Ohio; Bakersfield, Calif.

HOSE, EYELET

Mantle & Mantle, Painesville, Ohio

HOSE, IRRIGATION

Agricultural Rubber Products Corp., 103 Warren St., New York, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.
The Gates Rubber Co., Sales Div., 777 S. Broadway, Denver 17, Colo.
Wade Rain, 1919 N. W. Thurman, Portland 9, Ore.

HOSE, METAL

W. R. Ames Co., 150 Hooper St., San Francisco, Calif.; Tampa, Fla.
Champion Corp., Hammond, Ind.
Chicago Metal Mfg. Co., 37th & Rockwell, Chicago 32, Ill.

HOSE, POROUS

Mantle & Mantle, Painesville, Ohio
Whiteshows, Inc., 17514 Woodward Ave., Detroit 3, Mich.

HOSE, SUCTION

Agricultural Rubber Products Corp., 103 Warren St., New York, N. Y.

MOISTURE METERS

General Scientific Equipment Co., Hamden, Conn.
Industrial Instruments, Inc., 89 Commerce Rd., Cedar Grove, N. J.
Irrigation Eng. Co., 2809 E. Foothill Blvd., Pasadena, Calif.
National Agri. Supply Co., Fort Atkinson, Wis.
T. W. Prosser Co., 3695 Main St., Riverside, Calif.

PIPE CARRIER

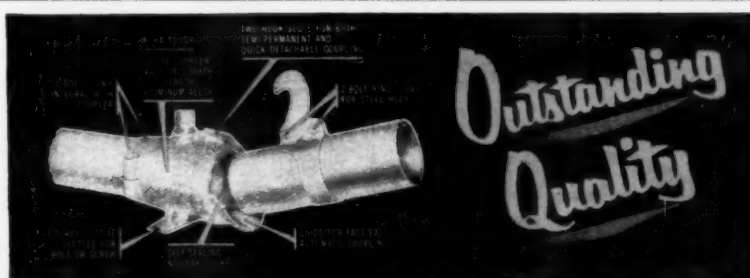
Kellam Co., Biscoe, N. C.

PIPE, COMPOSITION

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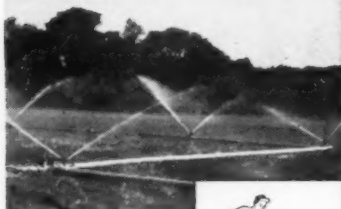
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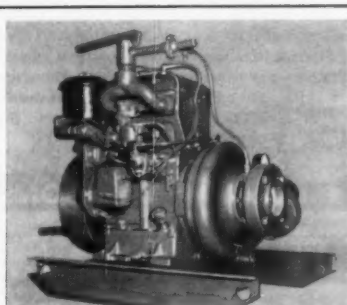
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Consult Alphabetical Index
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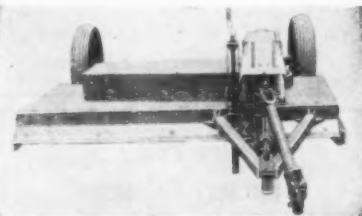
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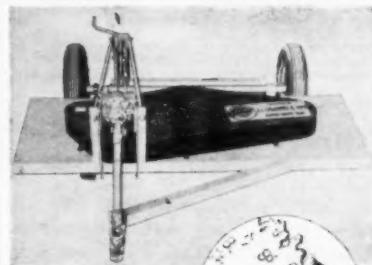
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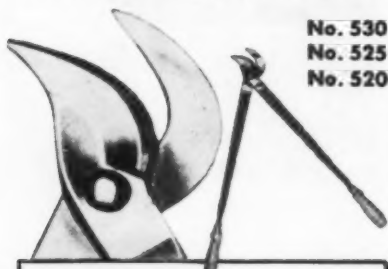
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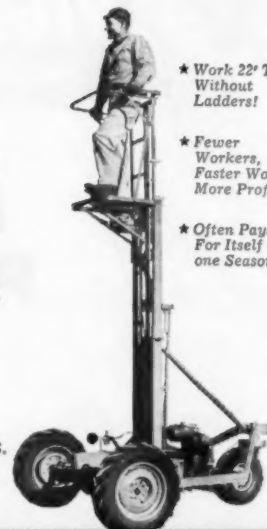
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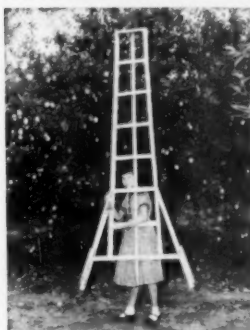
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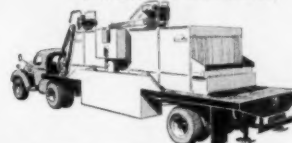
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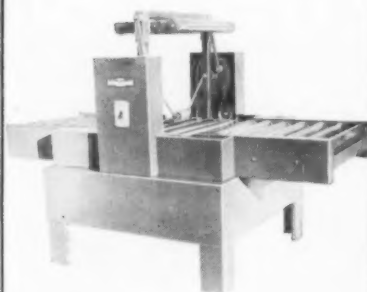
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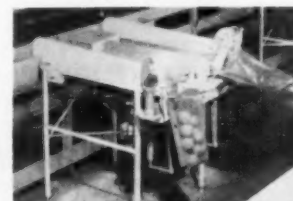
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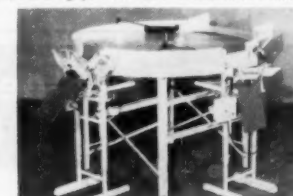
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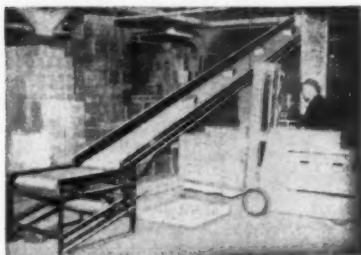


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STANDARD INCLINEBELT**



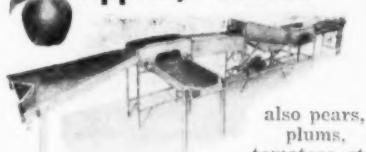
Move boxes, cases, cartons, sacks or bundles from basement to first floor, or any floor to floor — continuously with the Standard Inclinebelt. Compact — simple to install — minimum maintenance and attention. Lifts or lowers 10 to 20 lbs. of live load per ft.; floor elevations of 8 ft. to 14 ft. 6 inches inclusive; two belt widths to handle commodities 15½ inches to 25½ inches wide. Electric motor operated. Write for INCLINEBELT Bulletin — address Dept. S-7.

STANDARD CONVEYOR COMPANY

General Offices: North St. Paul 9, Minn.
Sales and Service in Principal Cities



**For your gentlest
accurate sizing of
Apples, Peaches**



also pears,
plums,
tomatoes, etc

Lobee Sizers handle ripe fruit that growers might hesitate to put over an ordinary sizer. There's no tension on the chain, to pinch the fruit — and no drop from one unit to the next.

Quick Change to get different sizes — you change the sizing chain in two minutes.

Better built, for trouble-free service. All-welded steel construction. You can combine Lobee Brushers, Washers, Waxers, Return-Flow Packing Belts, as needed. Complete line of standard sizes for capacities from 50 to 300 bu. per hr. Write to —

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Gasport, New York

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Lobee Pump & Machinery Co., Gasport, N. Y.
Tew Manufacturing Corp. (Friend, Trescott & Market Maker), Fairport, N. Y.
Wayland Machinery Co., Coveseville, Va.

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John Bacon Co., Gasport, N. Y.
John Bean Div., Food Machinery & Chemical Corp.,
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Burrows Equipment Co., 1316 Sherman Ave., Evanston, Ill.
E. W. Buschman Co., Clifton & Spring Grove, Cincinnati, Ohio
Durand Co., Woodbury, Ga.
Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
Lamson Corp., Lamson St., Syracuse 1, N. Y.
Lobee Pump & Machinery Co., Gasport, N. Y.
Mathews Conveyor Co., Ellwood City, Pa.
Meltzer Conveyor Co., 412 Douglas N. W., Grand Rapids 4, Mich.
Oliver Corporation, 400 W. Madison St., Chicago 6, Ill.
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo 4, Ohio
Rapids-Standard Co., Inc., 194 Trowbridge St., N. W., Grand Rapids 2, Mich.
Standard Conveyor Co., 16 Indiana Ave., N. St. Paul, Minn.
Tew Mfg. Corp. (Friend & Trescott), Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas
Troyer Mfg. Co., Smithville, Ohio

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Aeroglide Corp., Raleigh, N. C.
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John Bean Div., Food Machinery & Chemical Corp.,
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E. W. Buschman Co., Clifton & Spring Grove, Cincinnati, Ohio
Durand Co., Woodbury, Ga.
Lake Shore Eng. Co., Iron Mountain, Mich.
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Meltzer Conveyor Co., 412 Douglas N. W., Grand Rapids 4, Mich.
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Power-Curve Conveyor Co., Denver 19, Colo.
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Trescott Co., Fairport, N. Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas

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Rice, Trow & Rice Co., Biglerville, Pa.

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Tyson Orchard Service, Flora Dale, Pa.
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**for handling
BOXES, CRATES
and BAGS you
Can't Beat
MATHEWS
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 DEPT. 107 Offices and Plant
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 John Bean Div., Food Mch. & Chemical Corp., Lansing, Mich., San Jose, Calif.
 Cardinal & Ellis, Belding, Mich.
 Durand Co., Woodbury, Ga.
 Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
 Ideal Grader & Equipment Co., Hood River, Ore.
 Lobee Pump & Mch. Co., Gasport, N. Y.
 Michigan Orchard Supply Co., South Haven, Mich.
 F. P. Pease Co., 1344 Henrietta Rd., Rochester, N. Y.
 Sho-off Orchards Prod. Co., 105 N. Washington St., Peoria, Ill.
 Tew Mfg. Corp. (Friend & Trescott), Fairport, N. Y.
 Tri-Pak Machinery Service, Inc., Harlingen, Texas
 Tyson Orchard Service, Flora Dale, Pa.
 Van Doren Equipment Co., 923 N. Wenatchee Ave., Wenatchee, Wash.
 Wayland Machinery Co., Coveseville, Va.

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Coffing Hoist Co., Danville, Ill.
 Flinchbaugh Co., York, Pa.
 Wright Hoist Div., American Chain & Cable Co., Inc., York, Pa.

HYDROCOOLERS

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 Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.
 Tri-Pak Machinery Service, Inc., Harlingen, Texas

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 Frick Co., Waynesboro, Pa.

ICING EQUIPMENT

Tri-Pak Machinery Service, Inc., Harlingen, Texas

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Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
 F. D. Croce & Co., Inc., 386 Washington St., N. Y. 13, N. Y.
 Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

LOADERS, TRUCK

Stratton Equipment Co., 2030 E. 105 St., Cleveland, Ohio

NAIL STRIPPERS

Wells & Wade, 201 Wenatchee Ave., Wenatchee, Wash.

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John Bacon Co., Gasport, N. Y.
 Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
 Frank L. Deane & Son, Sodus, Mich.
 Fruit & Produce Packing, Inc., 700 W. Morris St., Indianapolis 6, Ind.
 Rice, Trew & Rice Co., Biglerville, Pa.
 Tyson Orchard Service, Flora Dale, Pa.
 Webster Basket Co., Webster, N. Y.

PACKING TABLES

John Bean Div., Food Machinery & Chemical Corp., San Jose, Calif.
 Boggs Mfg. Corp., Atlanta, N. Y., Detroit Lakes, Minn.
 Durand Co., Woodbury, Ga.
 Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
 Ideal Grader & Nursery Co., Hood River, Ore.
 Lobee Pump & Machinery Co., Gasport, N. Y.
 Tew Mfg. Corp. (Friend & Trescott), Fairport, N. Y.
 Tri-Pak Machinery Service, Inc., Harlingen, Texas
 Trescott Co., Fairport, N. Y.
 Troyer Mfg. Co., Smithville, Ohio
 R. G. White Mfg. Corp., Ozone Park 16, N.Y.

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RINGS, SIZING

John Bacon Co., Gasport, N. Y.
 Salt Lake Stamp Co., Salt Lake City, Utah
 Tyson Orchard Service, Flora Dale, Pa.
 Webster Basket Co., Webster, N. Y.

SCALES

John Chatillon & Sons, 65 Cliff St., N. Y. 7, N. Y.
 Exact Weight Scale Co., 944 W. 5th Ave., Columbus 8, Ohio
 Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
 Howe Scale Co., Rutland, Vt.
 Michigan Orchard Supply Co., South Haven, Mich.
 Producer's Exchange Inc., 20 S. Huron St., Toledo 4, Ohio
 Tew Mfg. Corp. (Market Maker), Fairport, N. Y.

Toledo Scale Co., Telegraph Road, Toledo 1, Ohio
 Trescott Co., Fairport, N. Y.

SORTING TABLES, FRUIT

Aeroglide Corp., Raleigh, N. C.
 John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., San Jose, Calif.
 Dodge Yakima Supply Co., 109 S. Front St., Yakima, Wash.
 Durand Co., Woodbury, Ga.
 Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
 Fruit Packing Equipment Co., Swoope, Va.
 Ideal Grader & Nursery Co., Hood River, Ore.
 Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
 Tew Mfg. Corp. (Friend & Trescott), Fairport, N. Y.
 Wayland Machinery Co., Coveseville, Va.

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 Faultless Rubber Co., Ashland, Ohio
 Markel Products, 872 Lorimer, Brooklyn 22, N. Y.
 Sponge Rubber Products Co., Shelton, Conn.
 United States Rubber Co., 1230 Ave. of the Americas, N. Y. 20, N. Y.

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 Bostitch, Inc., Westerly, R. I.
 F. D. Croce & Co., Inc., 386 Washington St., N. Y. 13, N. Y.
 Fruit & Produce Pack. Co., 700 W. Morris St., Indianapolis, Ind.
 International Staple & Machine Co., Herrin, Ill.
 Markwell Mfg. Co., Inc., 200 Hudson St., N. Y. 13, N. Y.
 Pittsburgh Steel Co., 1600 Grant Bldg., Pittsburgh 30, Pa.
 H. K. Porter, Inc., Somerville, Mass.
 Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
 Republic Steel Corp., Republic Bldg., Cleveland, Ohio
 Saranac Machine Co., Benton Harbor, Mich.
 Trescott Co., Fairport, N. Y.

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 American Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
 Bostitch, Inc., Westerly, R. I.
 The Colorado Fuel & Iron Corp., P. O. Box 1920, Denver, Colo.
 Fruit & Produce Packing Co., 700 W. Morris St., Indianapolis 6, Ind.
 Markwell Mfg. Co., 200 Hudson St., N. Y. 13, N. Y.
 Pittsburgh Steel Co., 1600 Grant Bldg., Pittsburgh 30, Pa.
 H. K. Porter, Inc., Somerville, Mass.
 Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
 Republic Steel Corp., Republic Bldg., Cleveland, Ohio
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 Colson Co., Elyria, Ohio
 Howe Scale Co., Rutland, Vt.

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 Big Joe Mfg. Co., 900 W. Jackson, Chicago 7, Ill.
 Blackwelder Mfg. Co., Rio Vista, Calif.
 Clark Equipment Co., Battle Creek, Mich.
 Colson Co., Elyria, Ohio
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 Hyster Co., 2902 N. E. Clackamas, Portland 8, Ore.
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 Lift Trucks, Inc., 2425 Spring Grove Ave., Cincinnati 14, Ohio
 Mercury Mfg. Co., 4044 So. Halsted, Chicago 9, Ill.
 Michigan Orchard Supply Co., South Haven, Mich.
 Raymond Corp., Greene, N. Y.
 Townmotor Corp., 1226 E. 152nd, Cleveland 10, Ohio
 Transiter Truck Co., 2477 N. W. 23rd, Portland 10, Ore.
 Yale & Towne Mfg. Co., Roosevelt & Haldeman Aves., Phila., Pa.

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Durand Co., Woodbury, Ga.
Fruit & Produce Packing Co., 700 West Morris St., Indianapolis 6, Ind.
Fruit Packing Equipment Co., Swoope, Va.
Hill Top Orchards & Nurseries, Hartford, Mich.
Producer's Exchange, Inc., 20 S. Huron, Toledo 4, O.
Rice, Trew & Rice Co., Biglerville, Pa.
Tyson Orchard Service, Flora Dale, Pa.

WASHERS, FRUIT

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N. C.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Durand Co., Woodbury, Ga.
Food Machinery & Chemical Corp., Packing Equip. Div., Riverside, Calif.
Idgall Grader & Equip. Co., Hood River, Oreg.
Lobee Pump & Machinery Co., Gasport, N. Y.
Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N. Y.

WASHING COMPOUNDS, FRUIT

American Cyanamid Co., Agric. Chemicals Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Carbide & Carbon Chemicals Co., A Div. of Union Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17, N. Y.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Eastman Chemical Products, Inc., 260 Madison Ave., N. Y. 16, N. Y.
General Chemical Div., Allied Chem. & Dye Corp., 40 Rector St., N. Y. 6, N. Y.
Monanto Chemical Co., 1700 S. 2nd, St. Louis 4, Mo.
Oakite Products, Inc., 19 Rector St., N. Y. 6, N. Y.

WAX

John Bean Div., Food Machinery & Chem. Corp., Lansing, Mich.
Clarion Development Co., Clarion, Pa.
Dow Chemical Co., Midland, Mich.
Food Machinery & Chemical Corp., Packing Equip. Div., Riverside, Calif.
S. C. Johnson & Son, Inc., 1525 Howe, Racine, Wis.
Lobee Pump & Machinery Co., Gasport, N. Y.
Tew Mfg. Corp., Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Wilbur White Div., Franklin Research Co., 5134 Lancaster Ave., Philadelphia 31, Pa.

WAXERS

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N. C.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Lobee Pump & Mch. Co., Gasport, N. Y.
Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas

Consult Alphabetical Index
on pages 23, 24 and 25

MAINTENANCE EQUIPMENT

DRILL PRESSES, LATHES, MILLING MACHINES, SHAPERS

Boice-Crane Co., 941 W. Central Ave., Toledo 6, Ohio
Delta Power Tool Div., Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa.
Shelden Machine Co., Inc., 4231 N. Knox Ave., Chicago 41, Ill.

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Caterpillar Tractor Co., Peoria, Ill.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
General Electric Co., 1 River Road, Schenectady, N. Y.
Homelite Corp., Port Chester, N. Y.
Kewanee Private Utilities, Kewanee, Ill.
Kohler Co., Kohler, Wis.
Lejay Mfg. Co., 2908 Emerson Ave., S., Minneapolis 8, Minn.
D. W. Onan & Sons, Inc., University Ave. S. E., at 25th, Minneapolis 14, Minn.
United Motors Service, Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

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Alomite Div., Stewart-Warner Corp., 1826 Diversey Pkwy., Chicago 14, Ill.
Aro Equipment Corp., Bryan, Ohio
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Lincoln Engineering Co., 4010 Goodfellow Blvd., St. Louis, Mo.

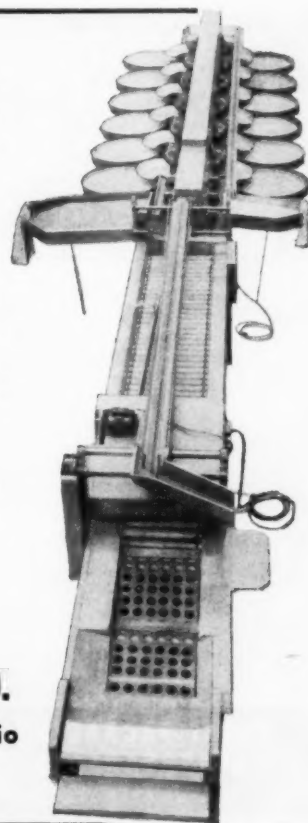
JULY, 1956

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It handles fruit very gently, accurately, and fast and with little or no trouble. Capacity about 100 bushels per hour. It makes 6 sizes in two grades. Length 47', width 10', comes complete with overhead cull belts and polisher.

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Millions have taken the baths at Hot Springs—America's only health resort with natural thermal waters under the regulation of the Director of the Nat'l. Park Service, U.S. Dept. of the Interior—and, countless people have testified to the magic qualities of these world-famous baths. You, too, can find relief for jangled nerves, aching muscles, stiff joints, hardening of the arteries, and, yes, even rheumatism and arthritis.

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& BATHS

From \$3 per day single
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And you can budget your meals
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Hobart Bros. Co., Troy, Ohio
Lejay Mfg. Co., 2908 Emerson Ave., S., Minneapolis 8, Minn.
Lincoln Electric Co., 22801 St. Clair St., Cleveland 17, Ohio

Linde Air Products Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., N. Y. 17, N. Y.
Magic Electro Welder Mfg. Co., 239 Canal St., N. Y., N. Y.
Marquette Mfg. Co., Inc., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Miller Electric Mfg. Co., Appleton, Wis.
Trindl Products, Ltd., 15 E. 23rd St., Chicago 16, Ill.
U. S. Electric Welder Corp., Toledo 7, Ohio
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.



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ADHESIVES

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CAPS, CORRUGATED

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Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
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Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N. Y.

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Fulton Bag & Cotton Mills, Box 1726, Atlanta, Ga.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rangeland Specialty Bag Co., Box 1441, Denver 14, Colo.

St. Regis Paper Co., 230 Park Ave., N. Y. 17, N. Y.
Union Bag & Paper Corp., Woolworth Bldg., N. Y. 7, N. Y.

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Chase Bag Co., 309 W. Jackson, Chicago 6, Ill.
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio
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Dabekmun Co., 3301 Monroe Ave., Cleveland 1, Ohio
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Fulton Bag & Cotton Mills, Box 1726, Atlanta 1, Ga.
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio
Howard Plastics, Inc., Council Bluffs, Iowa
Mehl Mfg. Co., 2057 Reading, Cincinnati 2, O.
Milprint Inc., 4200 N. Halston St., Milwaukee, Wis.
Muskegon Marking Equipment Co., Muskegon, Mich.
Newark Paraffine & Parch. Paper Co., 50 Joliff Ave., Newark 8, N. J.
Onalida Paper Products, Inc., Clifton, N. J.
Paramount Paper Products Co., Inc., Hamilton St. at 19th, Philadelphia 30, Pa.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
The Visking Corp., Plastics Div., Terre Haute, Ind.

BARRELS

Maslow Cooperage Corp., Brooklyn 2, N. Y.

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Fort Wayne Corrugated Paper Co., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis 6, Ind.
Gaylord Container Corp., 111 N. 4th, St. Louis 2, Mo.
Hankins Container Co., 14801 Emery Ave., Cleveland, Ohio
The Hinde & Dauch Paper Co., Sandusky, Ohio
Kieckhefer Container Co., Camden 1, N.J.
Ohio Boxboard Co., Rittman, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Wabash Fibre Box Co., Terre Haute, Ind.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

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LET US HELP YOU

KRAFT PAPER SACKS AND STOR PAK BAGS



Printed with your name, address and a colorful fruit design. Attractively illustrated. Ideal for roadside markets and retail outlets. Stor Paks in quarter peck, half peck and bushel sizes. Kraft available in peck, half bushel and bushel sizes.



We now print Cinco Polyethylene Bag in one to three colors. Let us be your source of plain or printed bags. Small or large quantities. We stock Polyethylene Apple crate liners.



Labels—for Cider Bottles, Polyethylene Bags, Honey, Apple-Butter, Vinegar, etc. Printed in one to three colors. Requires no water—just tear off back and stick. Comes in roll form for your convenience.



Tape-printed in one to three colors up to three inches wide, using "Scotch-brand" paper, acetate or cellophane tape. For use on baskets, boxes, polyethylene bags and Cider bottles.

Have you tried our Quart size Cider bottles at \$11.50 per 1000?

We can furnish printed cellophane, sheets, bags, rolls for your pre-packaging needs.

CINCINNATI CORDAGE & PAPER CO.

East Wayne & Scott Sts., Lima, Ohio

YOUR kind of boxes, baskets, bulk containers



1 BU.

1/2 BU.

Successful fruit growers in all lines are improving their annual profit by improving sales appeal, brand identification, and marketing convenience through the use of our corrugated packaging specialties. The PLANNED PACKAGING line includes bag masters, cell packs, and tray packs; also 8, 12 and 16 qt. master containers for berry boxes. Two-color printing standard; special design if you wish. Write PRODUCE SALES, The Ohio Boxboard Co., Rittman, Ohio.



4 QTS.

2 QTS.



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Western Containers, Inc., Lockport, N. Y. • Champion Containers, Inc., Plymouth, Mich.

BASKETS, WOOD

American Veneer Package Assoc., Orlando, Fla.
Barden & Robson Corp., Lockport, N. Y.
Berryville Basket Co., Inc., Berryville, Va.
F. D. Grace & Co., Inc., 386 Washington St., N. Y.
13, N. Y., Modena, N. Y.
Frank L. Deane & Son, Inc., Sodus, Mich.
The Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio
Marvill Package Co., Hebron, Del.
Paducah Box & Basket Co., Paducah, Ky.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
H. L. Rapp & Son, Carpentersville, N. J.
Rio Grande Importing Co., Brownsville, Texas
Ripley Box & Basket Co., Inc., Ripley, Tenn.
Riverside Mfg. Co., Murfreesboro, N. C.
Sodus Basket Co., Sodus, N. Y.
Webster Basket Co., Webster, N. Y.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

BOX SHOOKS

Acushnet Saw Mills Co., New Bedford, Mass.
F. D. Grace & Co., Inc., 386 Washington, N. Y.
N. Y.
Cummer-Graham Co., Paris, Tex.
General Box Co., 1825 Miner, Des Plaines, Ill.
Kenova Box Co., Kenova, W. Va.
Marinette & Menominee Box Co., Marinette, Wis.
Maxwell Brothers, Inc., 2300 S. Morgan Ave., Chicago 8, Ill.
Mill Lumber Co., 403 Spruce St., Philadelphia, Pa.
Miller Mfg. Co., 7th & Stockton St., Richmond, Va.
National Wooden Box Assoc., 402 Barr Bldg., Washington, D. C.
New England Box Co., 100 E 42 St., N. Y., N. Y.
Rathborne, Hair & Ridgway Co., 1440 W. 21st Pl., Chicago 8, Ill.
Smeed Box Co., 1878 Scranton Rd., Cleveland, Ohio
Spruce Veneer Package Corp., Puyallup, Wash.

BOXES AND CRATES, BERRY

American Veneer Package Assn., Orlando, Fla.
Berlin Fruit Box Co., Berlin Heights, Ohio
Frank L. Deane & Son, Inc., Sodus, Mich.
Fibreboard Products, Inc., 1789 Montgomery St., San Francisco, Calif.
Fort Wayne Corrugated Paper Co., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Robert Gair Co., Inc., 155 E. 44 St., N. Y. 17, N. Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Imman Mfg. Co., Amsterdam, N. Y.
Marietta Fruit Package & Lumber Co., Marietta, Ohio
Marvill Package Co., Hebron, Del.
National Wooden Box Assn., 402 Barr Bldg., Washington, D. C.
New Albany Box & Basket Co., New Albany, Ind.
Ohio Boxboard Co., Rittman, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo, Ohio
Ripley Box & Basket Co., Inc., Ripley, Tenn.
Spruce Veneer Package Corp., Puyallup, Wash.
Twin Cities Container Corp., Benton Harbor, Mich.
Wabash Fibre Box Co., Terre Haute, Ind.
Webster Basket Co., Webster, N. Y.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

APPLE BOXES and FIELD CRATES CORRUGATED, PAPER BOXES

**MARINETTE & MENOMINEE
BOX COMPANY
MARINETTE, WIS.**

BOXES AND CRATES, CORRUGATED, FIBERBOARD, PAPERBOARD

Alford Cartons, Ridgefield Park, N. J.
Atlas-Boxmakers, Inc., 5025 W. 65th St., Chicago, Ill.
Baltimore Paper Box Co., Key Highway-Jackson-Gittings-Covington & Ostend Sts., Baltimore, Md.
Bird & Son, Inc., E. Walpole, Mass.
Corrugated Container Co., 438 Dublin St., Columbus, Ohio
F. D. Grace & Co., Inc., 386 Washington St., N. Y.
13, N. Y., Modena, N. Y.
Fibreboard Products, Inc., 1789 Montgomery St., San Francisco, Calif.
Fibreboard Products (Eastern Div.) Inc., Baltimore, Md.
Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Ft. Wayne, Ind.
Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Oreg.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Robert Gair Co., Inc., 155 E. 44 St., N. Y. 17, N. Y.
Gaylord Container Corp., 111 N. 4th, St. Louis 2, Mo.
Hankins Container Co., 14801 Emery Ave., Cleveland, Ohio
Hinde & Dauch Paper Co., Sandusky, Ohio
Hoerner Corp., Keokuk, Iowa
Iowa Fiber Box Co., Keokuk, Iowa
Marinette & Menominee Box Co., Hosmer St., Marinette, Wis.
Ohio Boxboard Co., Rittman, Ohio
Palsley Products, 630 W. 51st, N. Y., N. Y.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

JULY, 1956

Rice, Trew & Rice Co., Biglerville, Pa.
Edwin J. Schoettl Co., 533 N. 11th St., Philadelphia 23, Pa.
Simplex Paper Corp., Adrian, Mich.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Traub Box Co., 1230 E. 55th St., Cleveland, Ohio
Union Bag & Paper Corp., Woolworth Bldg., N. Y. 17, N. Y.
Wabash Fibre Box Co., Terre Haute, Ind.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

BOXES AND CRATES, WIREBOUND

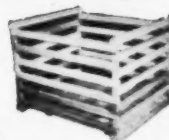
Continental Box Co., Inc., Houston 1, Texas
F. D. Grace & Co., Inc., 386 Washington St., N. Y.
13, N. Y., Modena, N. Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Marinette & Menominee Box Co., Marinette, Wis.
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo, Ohio
Wirebound Box Mfg. Assn., 327 S. La Salle St., Chicago 2, Ill.
Wisconsin Box Co., Wausau, Wis.
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

Motorists will be attracted to your roadside market—provided it is good-looking and well located. Working drawings for an attractive, easy-to-build stand are available for \$1.50 from AMERICAN FRUIT GROWER, Willoughby, Ohio.

NOW! Famous OWOSSO CRATES

Manufactured Exclusively By

Squires



- ★ EASIER TO HANDLE
- ★ EASIER TO STACK
- ★ GIVES FRUIT MAXIMUM PROTECTION
- ★ FULLY COLLAPSIBLE

SQUIRES MFG. CO.
Milan, Mich. Phone HEmlack 2-5411



For storage, shipment or display...
protect your apples with **KYS-PAK®**

Each apple packed in KYS-PAK is cushioned in its own separate compartment, perfectly protected, completely ventilated. KYS-PAK is extra-strong molded pulp, oil treated to prevent scald.

KYS-PAK cuts packing costs, saves you time and money. And because your apples arrive in 100% salable condition ready

for attractive store display, they command premium prices.

KYS-PAK is suitable for all varieties of apples and is supplied in sizes from 48 to 216 count pack. When properly graded, all these sizes will weigh 42 lbs. net per box. KYS-PAK can be used in corrugated, wood or wire-bound containers.

FILL IN THIS COUPON

Keyes Fibre Company
Waterville, Maine

Please send further information on KYS-PAK for apples.

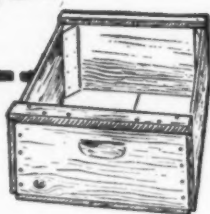
NAME

NAME OF FIRM

ADDRESS



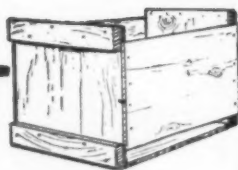
Longer



Service



Life



for boxes, hampers

Will unprotected field boxes and hampers steal some of your profits this year? Cellu-san gives picking containers L-S-L, Longer Service Life, and cuts repair and maintenance costs.

The fungicides in Cellu-san prevent wood-weakening rot as well as contaminating mold. The water repellents in Cellu-san keep just the right amount of moisture in the wood. Containers won't dry out, become brittle and break so easily, nor become waterlogged.

All this protection is yours for a few pennies per box with a simple 3-second dip application! Write today for HOW TO SAVE WITH CELLU-SAN, the first and only water repellent wood preservative developed expressly for the food industry.

Cellu-san

Division of Darworth, Inc.
Peach Lane, Simsbury, Connecticut
Western Office, P. O. Box 1422, Palo Alto, Calif.

PACKAGES and PACKAGING

BOXES AND CRATES, WOOD

Aetna Bottle & Container Co., 21st & Gratiot, St. Louis, Mo.
American Veneer Package Assn., Inc., Orlando, Fla.
Atlas Boxmakers, Inc., 5025 W. 65 St., Chicago, Ill.
Barden & Robeson Corp., Lockport, N. Y.
Berryville Basket Co., Inc., Berryville, Va.
F. D. Croce & Co., Inc., 386 Washington St., N. Y. 13, N. Y., Modena, N. Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Kenova Box Co., Kenova, W. Va.
Marinette & Menominee Box Co., Marinette, Wis.
Mell Lumber Co., 403 Spruce St., Philadelphia, Pa.
Miller Mfg. Co., 7th & Stockton St., Richmond, Va.
National Wooden Box Assn., 402 Barr Bldg., Washington, D. C.
New Albany Box & Basket Co., New Albany, Ind.
New England Box Co., 100 E. 42 St., N. Y., N. Y.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rathborne, Hair & Ridgway Co., 1440 W. 21 Pl., Chicago 8, Ill.
Smeed Box Co., 1878 Scranton Rd., Cleveland, Ohio
Sodus Basket Co., Sodus, N. Y.
Spruce Veneer Package Corp., Puyallup, Wash.
Traub Box Co., 1230 E. 55th St., Cleveland, Ohio
Zelvy Bros. Container Co., 2005 Orange Ave., Cleveland, Ohio

CARTONS, CONSUMER

Atlas Boxmakers, Inc., 5025 W. 65 St., Chicago, Ill.
Fibreboard Products Inc., 1789 Montgomery St., San Francisco, Calif.
Fibreboard Products (Eastern Div.) Inc., Baltimore, Md.
Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Oreg.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Robert Gair Co., Inc., 155 E. 44 St., N. Y. 17, N. Y.
Gaylord Container Corp., 111 N. 4th St., St. Louis, Mo.
The Hinde & Daugh Paper Co., Sandusky, Ohio
Ohio Boxboard Co., Rittman, Ohio
PrePackage Sales Corp., Rock Island, Ill.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Wabash Fibre Box Co., Terre Haute, Ind.

CUSHIONS

Berryville Basket Co., Inc., Berryville, Va.
F. D. Croce & Co., Inc., 386 Washington, N. Y., N. Y.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Hinde & Daugh Paper Co., Sandusky, Ohio
Keyes Fibre Co., Waterville, Me.
Kimberly-Clark Corp., Neenah, Wis.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Simplex Paper Corp., Adrian, Mich.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N. Y.

CUTTERS BINDING WIRE

H. K. Porter Inc., Somerville, Mass.

FILMS AND FOILS

Aluminum Co. of America, 425 6th, Pittsburgh, Pa.
American Viscose Corp., 1617 Pennsylvania Blvd., Philadelphia 3, Pa.
Brooks Paper Co., 400 Security Bldg., St. Louis, Mo.
Celanese Corp. of America, 180 Madison Ave., N. Y., N. Y.
Central States Paper & Bag Co. Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.
Continental Can Co., Shellmar-Bethel Div., 100 E. 42nd St., N. Y. 17, N. Y.
Dow Chemical Co., Midland, Mich.
E. I. du Pont de Nemours & Co., Film Dept., Wilmington 98, Del.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio
Newark Paraffine & Parch. Paper Co., 50 Jeliff Ave., Newark 8, N. J.
Onoda Paper Products, Inc., Clifton, N. J.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Reynolds Metals Co., 2500 S. 3rd St., Louisville, Ky.
Traver Div., Container Corp. of America, 358 W. Ontario St., Chicago, Ill.
The Viking Corp., Plastics Div., Terre Haute, Ind.

FRINGES

Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Simplex Paper Corp., Adrian, Mich.
Tyson Orchard Service, Flora Dale, Pa.

FRUIT CUPS

Harvey Paper Products Co., Sturgis, Mich.
Oldmill Paper Products Corp., Long Island City, N. Y.

LABELS AND TAGS

American Colorotype Co., 1151 Roscoe St., Chicago, Ill.
Bartlett Label Co., Kalamazoo, Mich.
Brandau-Craig-Dickerson Co., 304 10th Ave., Nashville, Tenn.
Cincinnati Cordage & Paper Co., Lima, Ohio
Dennison Mfg. Co., Framingham, Mass.
Fibreboard Products, Inc., 1789 Montgomery St., San Francisco, Calif.
Fruit & Produce Packing Co., 700 West Morris St., Indianapolis 6, Ind.
Lamboo Label & Wrapper Co., Kalamazoo, Mich.
J. L. May Co., 121 W. 19th St., N. Y. 11, N. Y.
Milprint Inc., 4200 N. Halton St., Milwaukee, Wis.
A. B. Morse Co., St. Joseph, Mich.
Reynolds Metals Co., 2500 S. 3rd St., Louisville, Ky.
Schmidt Lithograph Co., Second and Bryant Ave., San Francisco 7, Calif.
Stetler-Traug Lithograph Corp., 400 Battery, San Francisco, Calif.
Tompkins' Label Service, 3213 Frankford Ave., Philadelphia 34, Pa.
Valley Tag & Label Co., Ripon, Calif.

LINERS

Berryville Basket Co., Inc., Berryville, Va.
Central States Paper & Bag Co. Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.
F. D. Croce & Co., Inc., 386 Washington St., N. Y. 13, N. Y., Modena, N. Y.
Frank L. Deaner & Son, Inc., Sodus, Mich.
Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Kalamazoo Vegetable Parch. Co., Parchment, Mich.
New Albany Box & Basket Co., New Albany, Ind.
Newark Paraffine & Parchment Paper Co., 50 Jeliff St., Newark 8, N. J.
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N. Y.

MARKING DEVICES

Cushman & Denison Mfg. Co., 153 W. 23rd St., N. Y. 11, N. Y.
Kin-E-Matic Mach.-Engng. Co., Dearborn, Mich.
River-O Mfg. Co., Orange, Mass.

PACKAGING MACHINERY

Aeroglase Corp., 510 Glenwood Ave., Raleigh, N. C.
Oliver Machinery Co., 1025 Clancy N. E., Grand Rapids, Mich.
Package Machinery Co., E. Longmeadow, Mass.
Sarnac Machine Co., Benton Harbor, Mich.
Stokes & Smith Co., Div. Food Machinery & Chem. Corp., 59 Tabor Rd., Philadelphia 24, Pa.
Tew Mfg. Corp. (Market Maker), Fairport, N. Y.
Trescott Co., Fairport, N. Y.
Troyer Mfg. Co., Smithville, Ohio

PADS

California Container Corp., Emeryville, Calif.
Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
Frank L. Deaner & Son, Inc., Sodus, Mich.
Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Gaylord Container Corp., 111 No. 4th St., St. Louis, Mo.
Kimberly-Clark Corp., Neenah, Wis.
New Albany Box & Basket Co., New Albany, Ind.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Tyson Orchard Service, Flora Dale, Pa.
Wood Conversion Co., 1st National Bank Bldg., St. Paul 1, Minn.

PAPER, SHREDDED

Brooks Paper Co., 400 Security Bldg., St. Louis, Mo.
E. I. du Pont de Nemours & Co., Inc., Film Dept., Wilmington 98, Del.
Fruit & Produce Packing Co., 700 W. Morris, Indianapolis, Ind.
Kalamazoo Vegetable Parchment Co., Parchment, Mich.
Pioneer Paper Stock Co., 2600 N. Elston Ave., Chicago 47, Ill.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Sylvania Div., American Viscose Corp., 1617 Penn. Blvd., Philadelphia 3, Pa.
Tyson Orchard Service, Flora Dale, Pa.

AMERICAN FRUIT GROWER

PROTECTIVE COATINGS

Food Machinery & Chem. Corp., Riverside, Calif.
B. F. Goodrich Chemical Co., Rose Bldg., Cleveland 15, Ohio
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio

STAMPING INKS AND PADS

Rivet-O Mfg. Co., Orange, Mass.
Tyson Orchard Service, Flora Dale, Pa.

STAMPS, RUBBER

Producer's Exchange, Inc., 20 S. Huron, Toledo 4, Ohio
Rivet-O Mfg. Co., Orange, Mass.
Salt Lake Stamp Co., 43 W. 3rd St., Salt Lake City, Utah
Tyson Orchard Service, Flora Dale, Pa.



MASSACHUSETTS
MIN. SIZE 3/4 FANCY
Mass. Approved-Crate
GREENINGS
PACKED BY
R. D. MARCH
Shelburne Falls, Mass.

This stamp has interchangeable type to change the size, grade and brand in a second. It SPEEDS YOUR MARKING 200%. Can be made to meet requirements of every state. Write for prices and folders.

RIVET-O MFG. CO.

105 Orchard St. Orange, Mass.

TRAY PACKS

Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Oreg.
Fruit & Produce Packaging Co., 700 W. Morris, Indianapolis 4, Ind.
Keyes Fibre Co., Waterville, Me.
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo 4, Ohio
Traver Div., Container Corp. of America, 358 W. Ontario St., Chicago, Ill.

WRAPPERS

OILED
Berryville Basket Co., Inc., Berryville, Va.
Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.
Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing, Inc., 700 W. Morris, Indianapolis, Ind.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Tyson Orchard Service, Flora Dale, Pa.

PLAIN

Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing, Inc., 700 W. Morris, Indianapolis, Ind.
Rice, Trew & Rice Co., Biglerville, Pa.

TRANSPARENT

Brooks Paper Co., 400 Security Bldg., St. Louis, Mo.
Continental Can Co., Shellmar-Betner Div., 100 E. 42nd St., N. Y. 17, N. Y.
Dobackmun Co., 3301 Monroe Ave., Cleveland, Ohio
E. I. du Pont de Nemours & Co., Inc., Film Dept., Wilmington 98, Del.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio
Mehl Mfg. Co., 2057 Reading Rd., Cincinnati, Ohio
Milprint Inc., 4200 N. Holton St., Milwaukee, Wis.
Onida Paper Products Co., Clifton, N. J.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
Fred C. Strype, 20 Vesey St., N. Y., N. Y.
Sylvania Div., American Viscose Corp., 350 Fifth Ave., N. Y. 1, N. Y.
Traver Div., Container Corp. of America, 358 W. Ontario St., Chicago, Ill.
The Visking Corp., Plastics Div., Terre Haute, Ind.

JULY, 1956

shippers

GET EXTRA PROFITS NOW!

Order these money-making

Fort Wayne

FRUIT BOXES AND BASKETS

- Quick, easy to assemble and inspect
- Greater stacking strength
- Reduce spoilage, bruising
- Keep out moisture and dirt
- Colorfully printed for buyer appeal

PEACH BOXES



3-tier kys tray packed for safe shipments of tree ripened peaches to markets. One-piece, folds quickly, has double sides and ends.



1/2 bushel face-and-fill. Assembles without equipment, offers superior protection, displays for impulse buying.



TOMATO BASKETS

10 pound, 8 quart, 5 pound, 4 quart. Wood or wire handle.

WRITE, WIRE OR PHONE
YOUR ORDER TODAY!



Fort Wayne

CORRUGATED PAPER COMPANY

130 EAST DOUGLAS AVENUE

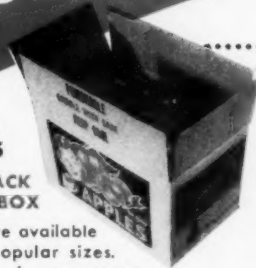
FORT WAYNE 1, INDIANA

PHONE ANTHONY 4383

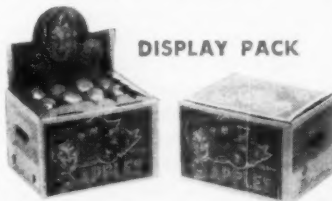
APPLE BOXES

CELL PACK APPLE BOX

These are available in all popular sizes. Attractive in appearance and offer the ultimate in protection—each apple placed individually in cells.

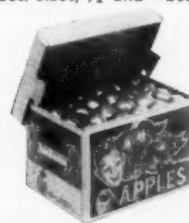


DISPLAY PACK



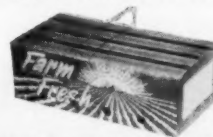
Face-and-Fill or Jumble Pack

Get big volume, high profit sales for apples. 2-piece construction, folds completely by hand, double bottom, ends and sides. Sizes, 1/2 and 1 bushel.



BUSHEL JUMBLE PACK

Rugged construction protects your fruit, colorful design stimulates sales. Lock on cover, folds by hand, has double bottom, ends and sides.



FARM FRESH BASKETS

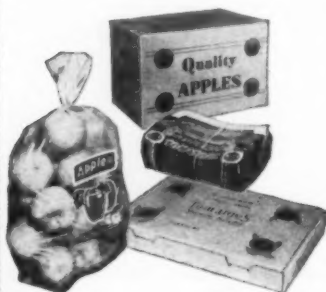
Sturdy, economical carrier for any home grown fruit or vegetable. 4 and 8 quart, wood or wire handle.

F&P CONTAINERS and Packing Materials

SUPERIOR QUALITY CORRUGATED CONTAINERS



Apple Boxes • Tomato Cartons
Gift Boxes • Friday Packs
Peach Containers • Shredded
Oiled Tissue • Grape Baskets
Tomato Baskets • Banana
Cartons • Berry Crates
Roadside Stand Baskets
Crate Liners • Ring Pack
Equipment • Box Cushions
Box Liners • Shredded
Cellophane • Consumer Tray
Packages • Chip Box Liners
Box Caps • Basket Cushions
Polyethylene Bags • Basket
Caps • Corrugated Vegetable
Packages • Basket Liners
Fruit Wraps • Wenatchee
Fruit Picking Bags



Write for SAMPLES AND PRICES
DEALERS AND WAREHOUSES ALL
FRUIT GROWING SECTIONS

Write, wire or phone MELROSE 4-2323
**FRUIT AND PRODUCE
PACKING COMPANY**
DIVISION INLAND CONTAINER CORP.
INDIANAPOLIS, INDIANA

F & P Ships Promptly From...

Warehouses: Ft. Valley, Ga. • Albion,
N. Y. • Weslaco, Texas • Hartford,
Mich. • Nampa, Idaho • Cobden, Ill. •
St. Louis, Mo.

Plants: Middletown, Ohio • Ashtabula,
Ohio • Erie, Pa. • Macon, Ga. • Rome,
Ga. • Milwaukee, Wis. • Evansville,
Ind. • Detroit, Mich. • Indianapolis,
Ind. • Winchester, Va.

FRUIT PROCESSING

CANNING, PRESERVING

ASCORBIC ACID
Mallinckrodt Chemical Works, 3400 N. 2nd St., St.
Louis 7, Mo.
Merck & Co., Inc., Rahway, N. J.

CANS
Continental Can Co., Inc., 100 E. 42 St., N. Y. 17,
N. Y.
Dixie Canner Co., Athens, Ga.
National Can Co., Inc., 110 E. 42 St., N. Y. 17,
N. Y.
Thompson Can Co., 13401 Denton Dr., Dallas 9,
Texas

**CASTINGS—NON-FERROUS AND
COPPER NICKEL**
Arthur Harris & Co., 212 N. Aberdeen St., Chicago
7, Ill.

CLARIFYING AGENTS
Johns-Manville Corp., 22 E. 40th St., N. Y. 16, N. Y.
W. G. Runkles' Machinery Co., 185 Oakland St.,
Trenton 8, N. J.
Wyodak Chemical Co., 4600 E. 71 St., Cleveland,
Ohio

**COILS—NON-FERROUS AND
STAINLESS STEEL**
Arthur Harris & Co., 212 N. Aberdeen St., Chicago
7, Ill.

CORERS
Boutell Mfg. Co., 558 Lyell Ave., Rochester 6, N. Y.
Food Machinery & Chemical Corp., Canning Ma-
chinery Div., San Jose, Calif.; Hoopeston, Ill.
Goodell Co., Antrim, N. H.
F. B. Pease Co., 1344 E. Henrietta Rd., Rochester
10, N. Y.
Urschel Laboratories, Inc., Valparaiso, Ind.

FREEZERS
Crosley Div., Avco Mfg. Corp., Cincinnati 25, Ohio
Deepfreeze Appliance Div., Motor Products Corp.,
2301 Davis, N. Chicago, Ill.
Food Machinery & Chemical Corp., Canning Ma-
chinery Div., San Jose, Calif.; Hoopeston, Ill.
Frigidaire Div., General Motors Corp., Dayton,
Ohio
General Electric Co., 1295 Boston Ave., Bridgeport,
Conn.
McCray Refrigerator Co., Kendallville, Ind.
Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit,
Mich.
Norge Div., Borg-Warner Corp., Merchandise Mart,
Chicago 54, Ill.
Quicfrez, Inc., Fond du Lac, Wis.
Schaefer, Inc., 801 Washington Ave., Minneapolis,
Minn.
Serval, Inc., Evansville 20, Ind.
Shorer-Gillett Co., Marshall, Mich.
Victor Products Corp., Hagerstown, Md.
Westinghouse Electric Corp., 306 Fourth Ave., Pitts-
burgh 30, Pa.

GLASS CONTAINERS
Armstrong Cork Co., Lancaster, Pa.
Ball Brothers Co., Muncie, Ind.
Hazel-Atlas Glass Co., Wheeling, W. Va.
Owens-Illinois Glass Co., Ohio Bldg., Toledo 1,
Ohio
Producer's Exchange, Inc., 20-32 So. Huron St.,
Toledo 4, Ohio

HEATERS AND COOLERS
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F. B. Pease Co., 1344 E. Henrietta Rd., Rochester
10, N. Y.

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Moore Dry Kiln Co., No. Portland, Ore.
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F. B. Pease Co., E. Henrietta Rd., Rochester, N. Y.
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JULY, 1956

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Monsanto Chemical Co., 1700 S. 2nd St., St. Louis 4, Mo.
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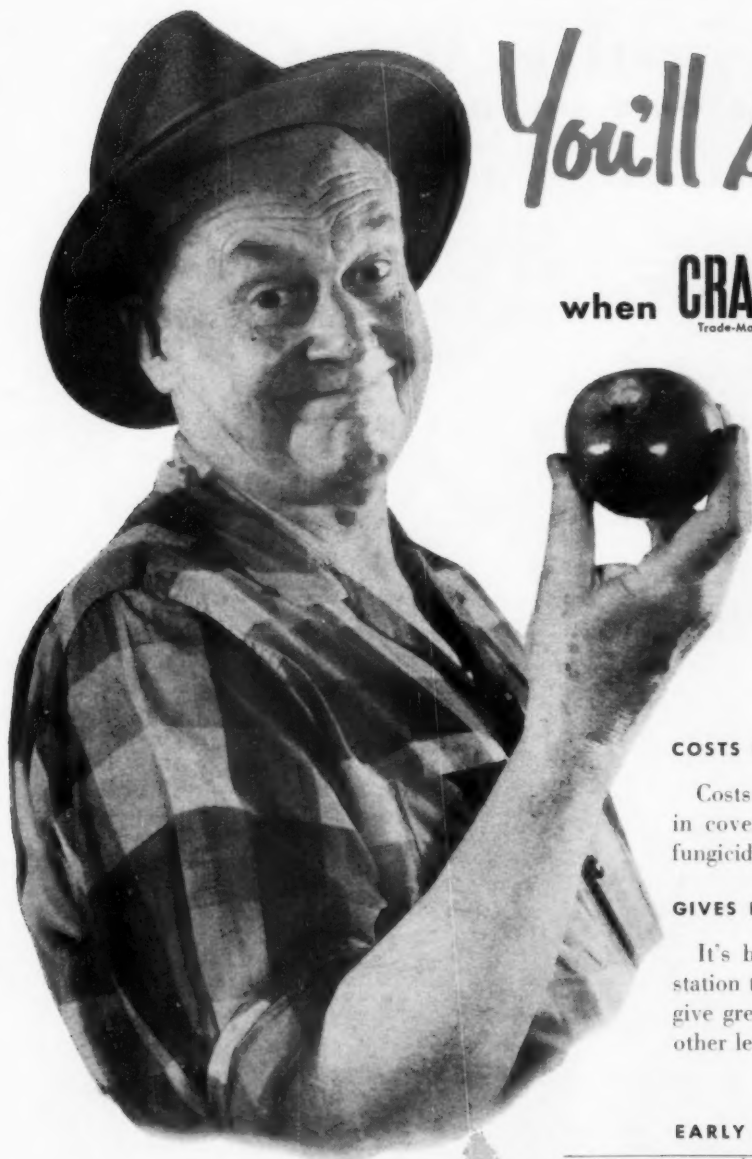
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FRESH FLORIDA GRAPEFRUIT, from Sottile's Avon groves, surround smiling Dell Strenth, Chief Truck Dispatcher. From groves in Polk, Highland and Manatee Counties, Sottile's Avon trucks, equipped with Eaton 2-Speed Axles, haul more than one and a half million boxes of citrus fruit yearly to various markets.



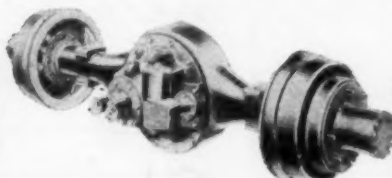
"OVER 15,000 BOXES DAILY are shipped during the peak harvest season," claims Mr. Strenth. "Eaton 2-Speed Axles, in soft fields or over the highway, perform smoothly—need little maintenance. We have specified that Eaton 2-Speed Axles be on every truck purchased by us in the last three years."



DODGE TRUCK DEALER J. Harmon Atkins, Wells Motor Company, Avon Park, Florida, has sold over 100 Eaton-equipped trucks in recent years. "If we had to wait for an Eaton 2-Speed to break down," reports Mr. Atkins, "our repair department would go out of business. Eaton 2-Speed Axles are built to last. What's more, Eaton-equipped trucks are worth more at trade-in time."

EATON

2-SPEED TRUCK AXLES



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MORE THAN 2 MILLION EATON AXLES IN TRUCKS TODAY